

above ground storage tank
air quality
asbestos/lead-based paint
baseline environmental assessment
brownfield redevelopment
building/infrastructure restoration
caisson/piles
coatings
concrete
construction materials services
corrosion
dewatering
drilling
due care analysis
earth retention system
environmental compliance
environmental site assessment
facility asset management
failure analyses
forensic engineering
foundation engineering
geodynamic/vibration
geophysical survey
geosynthetic
greyfield redevelopment
ground modification
hydrogeologic evaluation
industrial hygiene
indoor air quality/mold
instrumentation
masonry/stone
metals
nondestructive testing
pavement evaluation/design
property condition assessment
regulatory compliance
remediation
risk assessment
roof system management
sealants/waterproofing
settlement analysis
slope stability
storm water management
structural steel/welding
underground storage tank

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

**2445 EASTERN AVENUE SE
GRAND RAPIDS, MICHIGAN**

**SME Project Number: GE62891-03
June 30, 2011**

Prepared for:

City of Grand Rapids
Economic Development Office
300 Monroe Avenue NW
Grand Rapids, Michigan 49503
(EPA Cooperative Agreement #BF-00E00416-0)



© 2011 soil and materials engineers, inc.

Soil and Materials Engineers, Inc.

TABLE OF CONTENTS

1.0 SUMMARY.....	1
2.0 INTRODUCTION	3
2.1 Purpose	3
2.2 Detailed Scope of Services	4
2.3 Significant Assumptions.....	4
2.4 Limitations and Exceptions	4
2.5 Special Terms and Conditions	4
2.6 Reliance	4
3.0 PROPERTY DESCRIPTION	5
3.1 Property Location and Legal Description.....	5
3.2 Property and Vicinity Characteristics.....	5
3.3 Current Use of the Property	5
3.4 Current Uses of the Adjoining Sites.....	6
4.0 USER PROVIDED INFORMATION	7
4.1 Reason for the Phase I ESA.....	7
4.2 Recorded Environmental Cleanup Liens and AULs	7
4.3 Specialized Knowledge and Experience	8
4.4 Relationship of Purchase Price to Value	8
4.5 Commonly Known or Reasonably Ascertainable Information	8
4.6 Proceedings Involving the Property	8
5.0 RECORDS REVIEW	9
5.1 Environmental Record Sources	9
5.2 Additional Environmental Record Sources	10
5.2.1 County Environmental Health Department.....	10
5.2.2 Fire Department	10
5.2.3 MDNRE Geological Survey Division.....	10
5.2.4 Other Record Sources	10
5.3 Physical Setting Source(s).....	11
5.3.1 USGS – Current 7.5 Minute Topographic Map	11
5.3.2 Other Non-Practice Physical Setting Sources	11
5.4 Historical Use Information for the Property.....	11
5.4.1 Standard Historical Sources	11
5.4.2 Historical Usage Summary	13
5.4.3 Historical Use Information About Proximate Sites	14
6.0 SITE RECONNAISSANCE.....	15
6.1 Methodology and Limitations	15
6.2 General Property Setting	15
6.3 Exterior Observations	15
6.3.1 Chemical Use and Storage	15
6.3.2 USTs/ASTs	15
6.3.3 PCB Containing Equipment.....	16
6.3.4 Pits, Ponds, and Lagoons	16
6.3.5 Waste Generation, Treatment, Storage, and Disposal	16
6.3.6 Other Exterior Features.....	16

6.4 Interior Observations	16
6.4.1 Chemical Use and Storage	16
6.4.2 USTs/ASTs	16
6.4.3 PCB Containing Equipment.....	16
6.4.4 Drains and Sumps	17
6.4.5 Waste Generation, Treatment, Storage, and Disposal	17
6.4.6 Heating/Cooling.....	17
6.4.7 Other Interior Features.....	17
6.5 Adjoining Sites Observations.....	17
7.0 INTERVIEWS	18
7.1 Interviews with Owner/Site Manager/Occupant	18
7.2 Interviews with Local Government Officials	18
7.3 Interviews with Others	18
8.0 FINDINGS, OPINIONS, AND CONCLUSIONS.....	19
9.0 DEVIATIONS.....	21
10.0 ADDITIONAL SERVICES	22
11.0 REFERENCES	23
12.0 GENERAL COMMENTS	24
SIGNATURE OF ENVIRONMENTAL PROFESSIONAL	25
Appendix A: Figures	
Appendix B: Photographs	
Appendix C: Historical Research Documentation	
Appendix D: Interview Documentation	
	User Questionnaire
	Owner/Occupant Questionnaire
Appendix E: Regulatory Records Documentation	
Appendix F: Qualifications of Environmental Professionals	

1.0 SUMMARY

SME performed a Phase I Environmental Site Assessment (ESA) of the Property located at 2445 Eastern Avenue SE, in Grand Rapids, Kent County, Michigan, hereinafter referred to as “the Property,” in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Figure 1, included in Appendix A, shows the general Property location.

The purpose of this Phase I ESA is to satisfy relevant All Appropriate Inquiry (AAI) requirements to qualify Mackraz Law Office (the User) for applicable landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA). One of the primary objectives is to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s).

This Phase I ESA report is comprised of the following elements in support of AAI: 1) property description, 2) User-provided information, 3) records review, 4) site reconnaissance, 5) interviews, 6) findings, opinions, and conclusions.

Based on SME’s review of historical information, it appears the Property consisted of vacant land until a greenhouse was constructed on the Property sometime between 1913 and 1930. The Property continued to be used as a greenhouse until at least 1970. The Property was used for various commercial uses from approximately 1970 to the present, including a vending machine company and, most recently, a photography studio.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- The potential for unreported and/or undetected releases of hazardous substances and/or petroleum products associated with the historical use of the Property as a greenhouse (Section 5.4.2).
- The potential for migration of historical unreported and/or undetected releases of hazardous substances and/or petroleum products onto the Property from the Stop-N-Go #1012 and Alger & Eastern Gas City, Inc. sites (Section 5.1).

The User acquiring the Property is the sole party responsible for complying with AAI requirements for Landowner Liability Protection (LLP) under CERCLA as an Innocent Purchaser, Bona Fide Prospective Purchaser, or Contiguous Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-05 Practice, may not be sufficient to provide CERCLA LLP.

SME's Project Team was as follows:

Preparer:	Nathan B. Bolles
Environmental Professional (EP):	Brian S. Trent, PE, LEED AP

2.0 INTRODUCTION

SME has performed a Phase I Environmental Site Assessment (ESA) of the property located at 2445 Eastern Avenue SE in the City of Grand Rapids, Kent County, Michigan, hereinafter referred to as the Property. The Phase I ESA was conducted according to the ASTM International (ASTM) Practice E 1527-05 (Practice), which is accepted in the U.S. Environmental Protection Agency regulations as satisfying one component of the requirements of All Appropriate Inquiries (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA).

Satisfying AAI is one component of the requirements for a Prospective Purchaser to qualify for the Bona Fide Prospective Purchaser (BFPP), Contiguous Property Owner, or Innocent Landowner defense to CERCLA liability. For properties known to be contaminated with hazardous substances, or petroleum, the Prospective Purchaser also must comply with the continuing obligations defined in CERCLA to maintain the landowner liability protection (LLP) to CERCLA.

Mr. Jonathan Klooster of the City of Grand Rapids Economic Development Office authorized the conduct of this Phase I ESA to identify and evaluate potential environmental concerns associated with the Property prior to purchase of the Property. SME was retained to conduct this Phase I ESA in accordance with our June 7, 2011 work authorization.

2.1 Purpose

The purpose of this Phase I ESA was to satisfy relevant AAI requirements for qualifying the User of this report for applicable landowner liability protections under CERCLA (42 U.S.C. 9601). One of the primary objectives was to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s). The Practice defines a REC as:

...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

**For the purposes of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Practice E 1527-05.*

2.2 Detailed Scope of Services

This Phase I ESA was conducted in conformance with the ASTM Standard Practice on Environmental Site Assessments for Commercial Real Estate designation E 1527-05, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.” This Phase I ESA does not address the non-scope considerations as defined by Section 13 of the Practice.

2.3 Significant Assumptions

Pursuant to the Practice, SME assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

2.4 Limitations and Exceptions

No limitations were encountered during site reconnaissance activities. The Practice’s scope of services was implemented.

2.5 Special Terms and Conditions

No special terms and conditions were imposed on SME as part of this Phase I ESA.

2.6 Reliance

SME has prepared this report to be used and relied upon solely and exclusively by Mackraz Law Office (the User) and the City of Grand Rapids Economic Development Office, in accordance with terms and conditions agreed upon for the project. No other party may rely upon SME’s opinions, conclusions or reports unless SME has agreed to such reliance in writing.

3.0 PROPERTY DESCRIPTION

The following are descriptions of the Property, uses and conditions of the Property, and uses of the adjoining sites at the time of this Phase I ESA. Photographs of the Property and surrounding areas are included in Appendix B.

3.1 Property Location and Legal Description

The Property is located at 2445 Eastern Avenue SE, Grand Rapids, Kent County, Michigan. The legal description of the Property, tax identification number 41-18-07-428-057, is attached in Appendix C.

3.2 Property and Vicinity Characteristics

At the time of the reconnaissance, the Property consisted of approximately 0.23 acres of land developed with an approximately 2,300 square foot, single story commercial building. The remainder of the Property was developed with paved parking and landscaped areas. The Property is situated in a commercial and residential area in the Garfield Park/Alger Heights neighborhood.

A current Property Features Diagram was developed from the observations, field notes, photographs, and/or historical information collected during conduct of this Phase I ESA. It is included as Figure 2 in Appendix A.

3.3 Current Use of the Property

At the time of SME's Property reconnaissance, the Property was occupied by a building used for residential and commercial (photography studio) purposes. The building was constructed of masonry and wood frame walls on a concrete slab on grade. The Property is located approximately 100 feet west of Eastern Avenue and approximately 500 feet south of Alger Street.

The building on the Property was connected to natural gas, electricity, municipal water, storm sewer, and sanitary sewer.

3.4 Current Uses of the Adjoining Sites

Known current uses of adjoining sites are summarized in the following table:

Direction	Name Address	Activity
North	Express PC, Farmers Insurance, and Mega-Multi Services 2435 Eastern Avenue SE	Offices
	Residence 2438 Martin Avenue SE	Residential
East	Chase ATM 2451 Eastern Avenue SE	Banking
South	Residences 725, 729, and 735 Mulford Drive SE	Residential
West	Residence 2440 Martin Avenue SE	Residential

4.0 USER PROVIDED INFORMATION

As part of AAI the User has the statutory responsibility, above and beyond the Phase I ESA conducted under supervision of an EP, to provide information about the following issues in support of all appropriate inquiry into environmental conditions on the Property:

- Reason for this Phase I ESA;
- Environmental cleanup liens and activity/use limitations (AULs) recorded for the Property;
- Specialized knowledge and experience of the User indicative of potential RECs associated with the Property;
- Relationship of purchase price to market value;
- Commonly known or reasonably ascertainable information about environmental conditions on the Property; and
- Legal/administrative proceedings related to hazardous substances, petroleum products, or environmental compliance issues in, on or emanating from the Property.

The User information was provided through completion of the **User Questionnaire** attached in Appendix D

Information provided by Mr. Fred Mackraz, the User's representative is summarized in the following subsections.

4.1 Reason for the Phase I ESA

The User's representative reported that the reason for this Phase I ESA of the Property was to support the User's all appropriate inquiry into environmental conditions of the Property, a component of the User's effort to qualify for one of the landowner liability protections to CERCLA applicable to the planned purchase of the Property.

4.2 Recorded Environmental Cleanup Liens and AULs

The User's representative reported that a review of recorded land title records for the Property was not conducted. This represents a data gap with respect to AAI and is discussed in Section 8.

4.3 Specialized Knowledge and Experience

The User's representative reported having no specialized knowledge or experience that would indicate, or create suspicion of, the presence of environmental contamination on the Property.

4.4 Relationship of Purchase Price to Value

The User's representative reported that the purchase price of the Property reflected fair market value.

4.5 Commonly Known or Reasonably Ascertainable Information

The User's representative reported that he has not become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated or that any past event could have resulted in environmental impact of the Property or adjoining properties.

4.6 Proceedings Involving the Property

The User's representative, based on personal knowledge and experience related to the Property, reported no known pending, threatened, or past litigation, administrative proceedings, or violations of environmental laws and regulations related to hazardous substances or petroleum products in, on, or arising from the Property.

5.0 RECORDS REVIEW

5.1 Environmental Record Sources

SME retained Environmental Data Resources, Inc. (EDR) to query the state, federal, and tribal regulatory agency databases described in the Practice to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances. EDR also queried other readily available regulatory agency databases beyond those required by the Practice. The queried databases and associated search radii are listed in the EDR report (Appendix E). The EDR report includes site maps indicating the location of these listed sites relative to the Property, and dates the lists were updated.

A summary of listed sites of concern determined by SME to be suspect RECs is presented in the table included in this subsection. Unmapped sites, as identified by EDR, are sites, which for various reasons cannot be mapped through the EDR query system. Where possible, SME attempted to locate the reported unmapped sites. Unmapped sites determined by SME to be within the applicable approximate minimum search distance(s) and to be suspect RECs are also included in the table. Acronyms used in the table are defined in the EDR report.

Based on distance from the Property and assumed groundwater flow direction to the south or southwest, toward the Plaster Creek, the remaining sites do not appear to represent suspect RECs in connection with the Property. In SME's opinion, it was not necessary to review records for these sites.

LISTED SITES OF CONCERN (SUSPECT RECS)

Site Name and Address	Approximate Distance and Direction from Property ¹	Name of List ²
Stop-N-Go #1012 2355 Eastern Avenue SE	500 feet north	State Open LUST
Alger & Eastern Gas City, Inc. 2354 Eastern Avenue SE	550 feet north/northeast	State Closed LUST, Registered UST (closed), BEA

¹EDR sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by EDR to better represent field conditions and potential site boundaries.

²Definitions of acronyms and lists are presented in the EDR report.

Although the groundwater flow direction in the vicinity of the Property is not known, based on the location of Plaster Creek approximately 1,500 feet to the southwest and the local topography which also slopes to the southwest, groundwater is assumed to flow in a general southwest direction. Based on this assumption, SME identified the Stop-N-Go #1012 and Alger & Eastern Gas City, Inc. sites as suspect RECs in connection with the Property.

5.2 Additional Environmental Record Sources

5.2.1 County Environmental Health Department

On June 20, 2011, SME contacted the Kent County Environmental Health Department via facsimile and requested all available information pertaining to environmental concerns associated with the Property, including information on septic systems and water wells, if any, located on the Property. A Kent County Environmental Health Department representative indicated no records were available for the Property.

5.2.2 Fire Department

On June 20, 2011, SME contacted the City of Grand Rapids Fire Department via facsimile and requested all available records associated with the Property. Ms. Laura Knapp, Fire Chief indicated no records were available for the Property.

5.2.3 MDEQ Geological Survey Division

SME queried the MDEQ-Geological Survey Division's (GSD) Oil and Gas Information System – Online Data Query for oil and gas permits/wells for the Property's township, range and section number. According to the June 20, 2011 query results, no known oil and/or gas well permits were recorded for the Property section number.

5.2.4 Other Record Sources

No other record sources were contacted as part of this Phase I ESA.

5.3 Physical Setting Source(s)

5.3.1 USGS – Current 7.5 Minute Topographic Map

SME reviewed United States Geological Survey (USGS) topographic maps to evaluate the physical setting of the Property. According to the USGS 7.5 minute series Topographic Map Grand Rapids Quadrangle, Michigan, compiled in 1914, and Topographic Map Grand Rapids West Quadrangle, Michigan, compiled in years 1967, 1972, 1981, and 1996, the Property was depicted as relatively flat at an elevation of approximately 680 feet to 690 feet above mean sea level (MSL). The Property was shown as located in an urban area. The Kent-Berry-Eaton Railroad was located approximately $\frac{3}{4}$ mile southwest of the Property and Chesapeake and Ohio Railroad was shown approximately $\frac{3}{4}$ mile northeast of the Property. Plaster Creek was located approximately one-third mile southwest of the Property. No other bodies of water were depicted within a one-mile radius of the Property.

5.3.2 Other Non-Practice Physical Setting Sources

Based on SME's experience in the area of the Property, the general soil profile consists of sand with varying amounts of silt and gravel that extends to at least 15 feet below ground surface (bgs).

5.4 Historical Use Information for the Property

The objective of consulting historical record sources is to develop a history of the Property's previous uses to help identify the likelihood of past uses having led to RECs in connection with the Property. The information reviewed was from reasonably ascertainable standard sources, defined in the Practice as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by the Practice, are described under each appropriate Practice historical source. The Practice requires review of only as many of the standard historical sources as are reasonably ascertainable and likely to be useful.

5.4.1 Standard Historical Sources

The sources reviewed to determine the historical uses of the Property and related environmental issues are summarized below. Copies of source documents are included in Appendix C. A summary of findings from these reviews is presented in section 5.4.2.

- **Aerial Photographs:** SME reviewed aerial photographs, obtained from EDR, dated 1938, 1960, 1967, 1978, 1993, 1997, 2005, and 2006.
- **Fire Insurance Maps:** SME obtained Sanborn® Fire Insurance Maps of the Property area, obtained from EDR, dated 1913, 1930, 1948, 1950, 1953, 1966, and 1985.
- **Property Tax Files:** SME visited the City of Grand Rapids Assessor's Office and requested all available records pertaining to the Property. SME reviewed the provided records, which were comprised of one building record card. In addition, SME reviewed City of Grand Rapids' online property information.
- **Recorded Land Title Records:** SME did not review land title records because information regarding the history of the Property was obtained from other historical sources identified herein. In addition, land title records typically provide information regarding ownership, but not use, of a property.
- **USGS Topographic Maps:** SME reviewed the USGS 7.5 minute series Topographic Map Grand Rapids Quadrangle, Michigan, compiled in 1914, and Topographic Map Grand Rapids West Quadrangle, Michigan, compiled in 1967, 1972, 1981, and 1996.
- **Local Street Directories:** SME obtained local street directories from EDR, for the years 1905, 1909, 1914, 1919, 1923, 1928, 1932, 1936, 1941, 1946, 1951, 1956, 1961, 1966, 1970, 1975, 1980, 1985, 1990, 1995, 2001, 2006, and 2011. The Property was not listed in city directories prior to 1951.
- **Building Department Records:** SME visited the City of Grand Rapids Development Center and requested all available records pertaining to the Property. No records were provided to SME for review.
- **Zoning/Land Use Records:** SME reviewed an online zoning map on the City of Grand Rapids' website. According to zoning map, the Property was zoned TBA: Traditional Business Area.
- **Other Historical Sources:** SME did not review other historical sources because sufficient information regarding the history of the Property was obtained from the aforementioned historical sources.

5.4.2 Historical Usage Summary

A summary of historical usage of the Property, back to 1913, the date of earliest readily available records as described above, is presented in the following table:

HISTORICAL USAGE SUMMARY

Year / Period	Identified / Inferred Use	Source (Date)
1913 - 1914	The Property is shown as undeveloped.	Sanborn Map (1913)
1930 - 1972	The Property is developed with a greenhouse. The Property appears to be developed with a portion of one building. The Property is listed as John D. Lindhout (greenhouse) or Wishing Well Floral. The Property is shown as located in an urban area.	Sanborn Maps (1930, 1948, 1950, 1953, 1966) Aerial Photographs (1938, 1960, and 1967) City Directories (1951 - 1970) Topographic Map (1967 - 1972)
1975	No listing is available for the Property.	City Directory (1975)
1978 - 1985	The Property is developed with a concrete block building. The Property appears to be developed with a portion of one building. The remainder of the Property appears to consist of grass-covered land. No listing is available for the Property. The Property is shown as located in an urban area.	Sanborn Map (1985) Aerial Photograph (1978) City Directory (1980) Topographic Map (1981)
1985 - 1990	No listing is available for the Property.	City Directory (1985 - 1990)

Year / Period	Identified / Inferred Use	Source (Date)
1993 - 2006	The Property appears to be developed with one building. The remainder of the Property consists of an asphalt parking lot.	Aerial Photographs (1993 – 2006)
	No listing is available for the Property.	City Directory (1995)
	The Property is shown as located in an urban area.	Topographic Map (1996)
2001	The Property is listed as Bestrom Vending & Catering.	City Directory (2001)
2006	No listing is available for the Property.	City Directory (2006)
2011	The Property is listed as Chase Bank.	City Directory (2011)

SME identified the potential for undocumented releases of chemicals and hazardous substances associated with the historical operation of a greenhouse on the Property as a suspect REC in connection with the Property.

5.4.3 Historical Use Information About Proximate Sites

An attempt was made to assess the historical uses of proximate sites by reviewing records referenced in Section 5.4. No proximate sites of concern (suspect RECs) were identified in the course of researching the Property itself.

6.0 SITE RECONNAISSANCE

The site reconnaissance was conducted to identify evidence of the presence of suspect RECs in connection with the Property. Descriptions of the current Property use and conditions, including the use, storage, and/or treatment of hazardous substances and/or petroleum products and the generation, storage/accumulation, and/or disposal of chemical, petroleum or other contaminated wastes are presented in the following sections.

6.1 Methodology and Limitations

On June 16, 2011, Mr. Johnny Phanthala, EIT of SME conducted a reconnaissance of the Property to observe Property conditions and features in an effort to identify RECs in connection with the Property. SME was unaccompanied during the reconnaissance. Photographs taken during the reconnaissance, which illustrate observed Property conditions and surrounding areas, are contained in Appendix B. No limitations were encountered during the reconnaissance.

6.2 General Property Setting

The northern portion of the Property was developed with a single-story commercial building. The remaining portions of the Property were developed with asphalt parking areas or landscaped areas. A chain link fence was present along the north, west and south Property boundaries. The Property was situated west of Eastern Avenue and south of Alger Street in a residential and commercial area.

6.3 Exterior Observations

The building exterior consisted of masonry block, stone veneer, and vinyl siding walls. The building was situated on the northwest portion of the Property. The remaining portions of the Property contain landscaping, a concrete sidewalk, and asphalt pavement. During the Property reconnaissance, SME observed no evidence of stained soils or pavements, or areas of stressed vegetation. In addition, SME observed no evidence of septic systems or water supply wells on the Property.

6.3.1 Chemical Use and Storage

SME observed no exterior use and/or storage of chemicals.

6.3.2 USTs/ASTs

SME observed no exterior evidence of USTs or ASTs.

6.3.3 PCB Containing Equipment

SME observed no exterior evidence of equipment containing polychlorinated biphenyl (PCB).

6.3.4 Pits, Ponds, and Lagoons

SME observed no visual evidence of pits, ponds, or lagoons.

6.3.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no exterior visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes.

6.3.6 Other Exterior Features

SME observed no other exterior features indicative of suspect RECs.

6.4 Interior Observations

The building on the Property was used as a live-work space, and consisted of living rooms, a dining room, a kitchen, a utility room, a storage room, and a partial basement. The building was being used as a residence and photography studio. The basement occupied the western portion of the building and included a water heater, natural gas meter, and a radiant hot water heater.

6.4.1 Chemical Use and Storage

SME observed several containers of household cleaning products and paint stored on shelves and on the floor in the utility room and in the basement. No photography development using chemicals were observed during the reconnaissance. SME observed no staining on the floor in the vicinity of the containers.

6.4.2 USTs/ASTs

SME observed no evidence of USTs or ASTs in the building.

6.4.3 PCB Containing Equipment

SME observed no visual evidence of PCB containing equipment in the building.

6.4.4 Drains and Sumps

SME observed two uncovered floor drains in the concrete floor in the basement. One floor drain was used to collect discharge from a condensate drain line. The other floor drain appeared to be unused. SME observed no staining on the concrete floor around either floor drain.

6.4.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes, in the building.

6.4.6 Heating/Cooling

The building utilized natural gas to fuel a hot water radiant system for heating. The building utilized central air conditioning for cooling.

6.4.7 Other Interior Features

SME observed black discoloration on the north and west concrete block walls in the basement. Although the cause of the discoloration could not be determined, it may have been from former heating (e.g. a coal fired boiler) and did not appear to be due to a release of chemicals or petroleum products.

In addition, SME observed an approximately one-foot wide diameter opening in the north wall of the basement. The opening was filled with bricks and debris. The use of the opening in the basement wall could not be determined and did not provide evidence of a suspect REC in connection with the Property. The opening may have been associated with a coal bin if the building was historically heated with coal.

6.5 Adjoining Sites Observations

SME observed adjoining sites from the Property boundaries and public right-of-ways for evidence of RECs. The reconnaissance did not include physically accessing the adjoining sites; therefore, SME was unable to view all portions of adjoining sites.

An office building occupied by Express PC, Farmers Insurance, and Mega-Multi Services adjoined the Property to the north. A Chase Bank ATM drive-through property adjoined the Property to the east. Residential properties adjoined the Property to north, west, and south. Based on visual observations made from the Property boundaries, the adjoining sites did not appear to represent RECs in connection with the Property.

7.0 INTERVIEWS

As part of the conduct of this Phase I ESA, SME interviewed the following pertinent individuals other than the User of this report:

- Current Property owner (or representative) – Ms. Linda Poortenga, Property Owner.
- State and/or local government officials – Ms. Laura Knapp, Fire Chief, City of Grand Rapids Fire Department

7.1 Interviews with Owner/Site Manager/Occupant

A copy of SME's Property Owner/Occupant Questionnaire completed by Ms. Linda Poortenga, the Property owner, is included in Appendix D. The Owner/Occupant Questionnaire was the primary source of interview information for this Phase I ESA. SME identified no RECs based on review of the Owner/Occupant Questionnaire.

SME interviewed the Property owner by Questionnaire, seeking the following information:

- Whether the owner knew of existence of environmental reports and permits; UST, AST, and underground injection system registrations; material safety data sheets; community right-to-know plans; safety and spill prevention plans; hydrogeologic reports; notices of past or current violations of environmental laws; hazardous waste generator notices or reports; geotechnical studies; risk assessments; and, recorded activity and use limitations.
- If the owner had knowledge regarding historical use, occupants, and operations.
- Whether the owner knew of any pending, threatened, or past litigation and/or administrative proceedings; or governmental notices regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products in, on, or from the Property.

Ms. Poortenga had no knowledge related to the above issues.

7.2 Interviews with Local Government Officials

SME interviewed Ms. Laura Knapp, Fire Chief with the City of Grand Rapids Fire Department, and asked whether she had any environmental concerns associated with the Property and surrounding area. Ms. Knapp indicated she was not aware of environmentally related incidents having occurred on the Property.

7.3 Interviews with Others

No other interviews were performed as part of this Phase I ESA.

8.0 FINDINGS, OPINIONS, AND CONCLUSIONS

SME has performed a Phase I Environmental Site Assessment (ESA) of the Property located at 2445 Eastern Avenue SE, in Grand Rapids, Kent County, Michigan, hereinafter referred to as “the Property,” in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Figure 1, included in Appendix A, shows the general Property location.

The purpose of this Phase I ESA is to satisfy relevant All Appropriate Inquiry (AAI) requirements to qualify Mackraz Law Office (the User) for applicable landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA). One of the primary objectives is to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s).

This Phase I ESA report is comprised of the following elements in support of AAI: 1) property description, 2) User-provided information, 3) records review, 4) site reconnaissance, 5) interviews, 6) findings, opinions, and conclusions.

Based on SME’s review of historical information, it appears the Property consisted of vacant land until a greenhouse was constructed on the Property sometime between 1913 and 1930. The Property continued to be used as a greenhouse until at least 1970. The Property was used for commercial use between approximately 1970 and the present, including a vending machine company and, most recently, a photography studio.

Based on the results of the Phase I ESA, in SME’s opinion, the following suspect RECs were identified in connection with the Property:

- The potential for unreported and/or undetected releases of hazardous substances and/or petroleum products associated with the historical use of the Property as a greenhouse (Section 5.4.2). Based on SME’s knowledge of practices associated with greenhouse operations, the potential exists for historical storage and use of chemicals such as herbicides, pesticides, and fungicides. These chemicals typically contained heavy metals including, but not limited to arsenic, copper, lead, and mercury. In SME’s opinion, based on the potential for use of these chemicals and the length of time the Property was occupied by a greenhouse, this historic use represents a REC in connection with the Property.

- The potential for migration of unreported and/or undetected releases of hazardous substances and/or petroleum products onto the Property from the Stop-N-Go #1012 and Alger & Eastern Gas City, Inc. sites (Section 5.1). These sites were listed as State Open and Closed LUST sites, respectively, and are located north-northeast of the Property. Based on the location of Plaster Creek to the southwest and the prevailing topographic gradient to the southwest, the groundwater flow direction in the area is expected to also be to the southwest. Therefore; based on the proximity to the Property and the assumed direction of groundwater flow, these sites are expected to be hydraulically up-gradient and represent RECs in connection with the Property.

SME identified the absence of a title records review for environmental liens and AULs as a data gap in connection with this Phase I ESA. SME reviewed the MDEQ's Perfected Lien List, and as of June 13, 2011, no state environmental liens were associated with the Property. Based on the results of this search and other inquiries reported herein, it is SME's opinion that this data gap does not impair our ability to evaluate the potential for environmental impact related to past uses of the Property.

SME identified no limitation in connection with this Phase I ESA.

9.0 DEVIATIONS

No deviations occurred as part of this Phase I ESA.

10.0 ADDITIONAL SERVICES

No additional services were provided in conjunction with this Phase I ESA.

11.0 REFERENCES

ASTM International, **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process**, November 1, 2005.

12.0 GENERAL COMMENTS

SME conducted this Phase I ESA to identify RECs in connection with the Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate inquiry was made into the past uses of the Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface evaluation for this assessment.

Due to unknown or latent conditions on the Property, or on adjacent or nearby properties, which may become evident in the future, SME does not represent the Property is free of contamination or hazardous waste material. It should also be noted the Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in SME's General Conditions (01/09).

SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

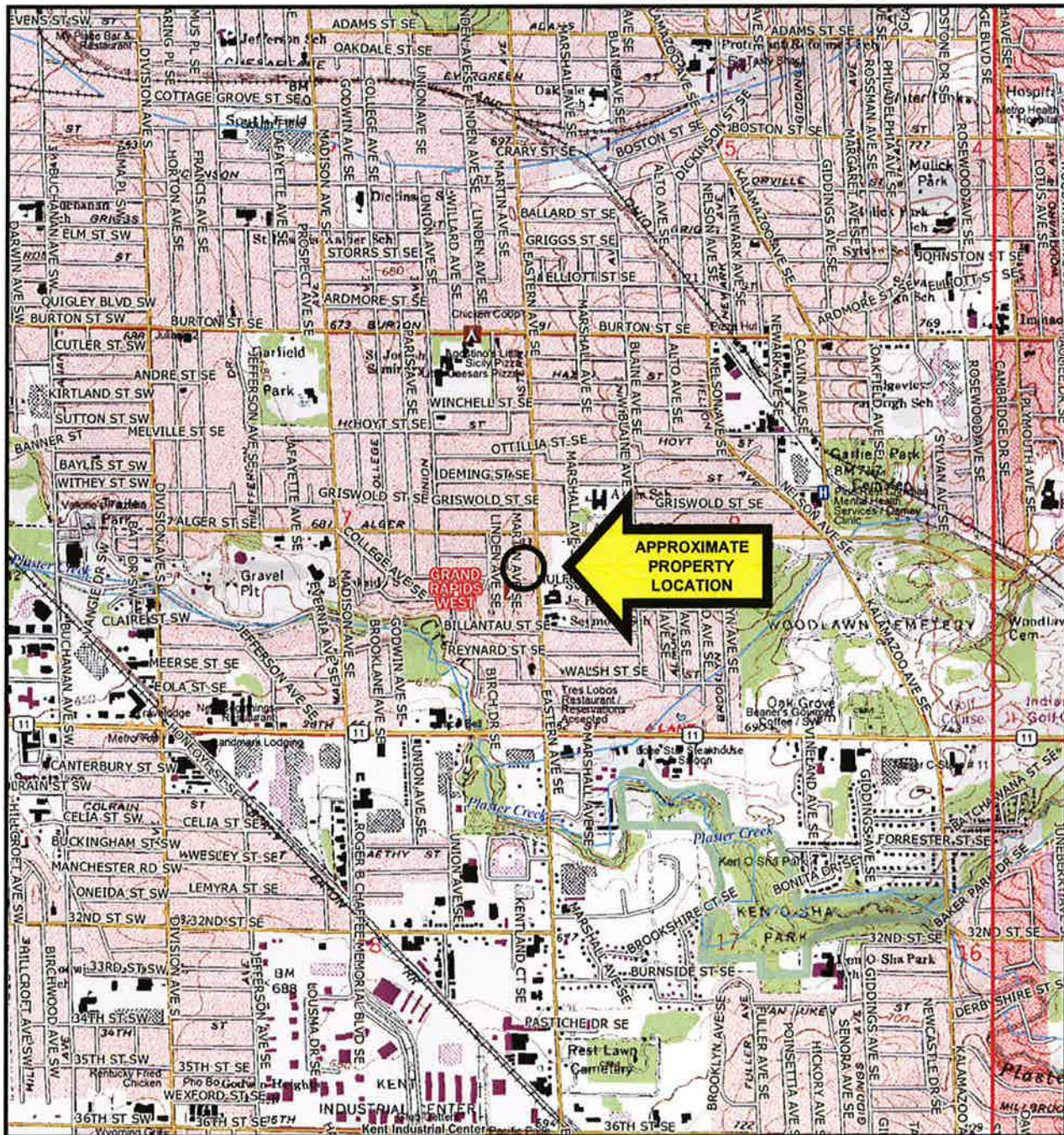
The Environmental Professional responsible for the conduct of this Phase I ESA was Mr. Brian S. Trent. The site reconnaissance and interviews were performed by Mr. Johnny Phanthala and Mr. Nathan B. Bolles. Resumes for Mr. Phanthala, Mr. Bolles, and Mr. Trent are attached in Appendix F.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the Practices and practices set forth in 40 CFR Part 312.



Brian S. Trent, P.E.
Project Engineer

APPENDIX A
FIGURES



Base map obtained from ©DeLorme Topo North America™ 9.

USGS QUADRANGLE(S) REFERENCED
GRAND RAPIDS WEST (1981)

0' 2000'
SCALE: 1" = 2000'



Jun 28, 2011 - 11:48am - jblake

R:\62000\GE62891-03\DWGS\rev0\GE62891-03_01.dwg



Indiana
Michigan
Ohio

Date	6-28-11
Drawn By	JAB
Scale	1" = 2000'
Project	GE62891-03

USGS 7.5 MINUTE TOPOGRAPHIC MAP
2445 EASTERN AVENUE SE
GRAND RAPIDS, MICHIGAN

Figure No. 1

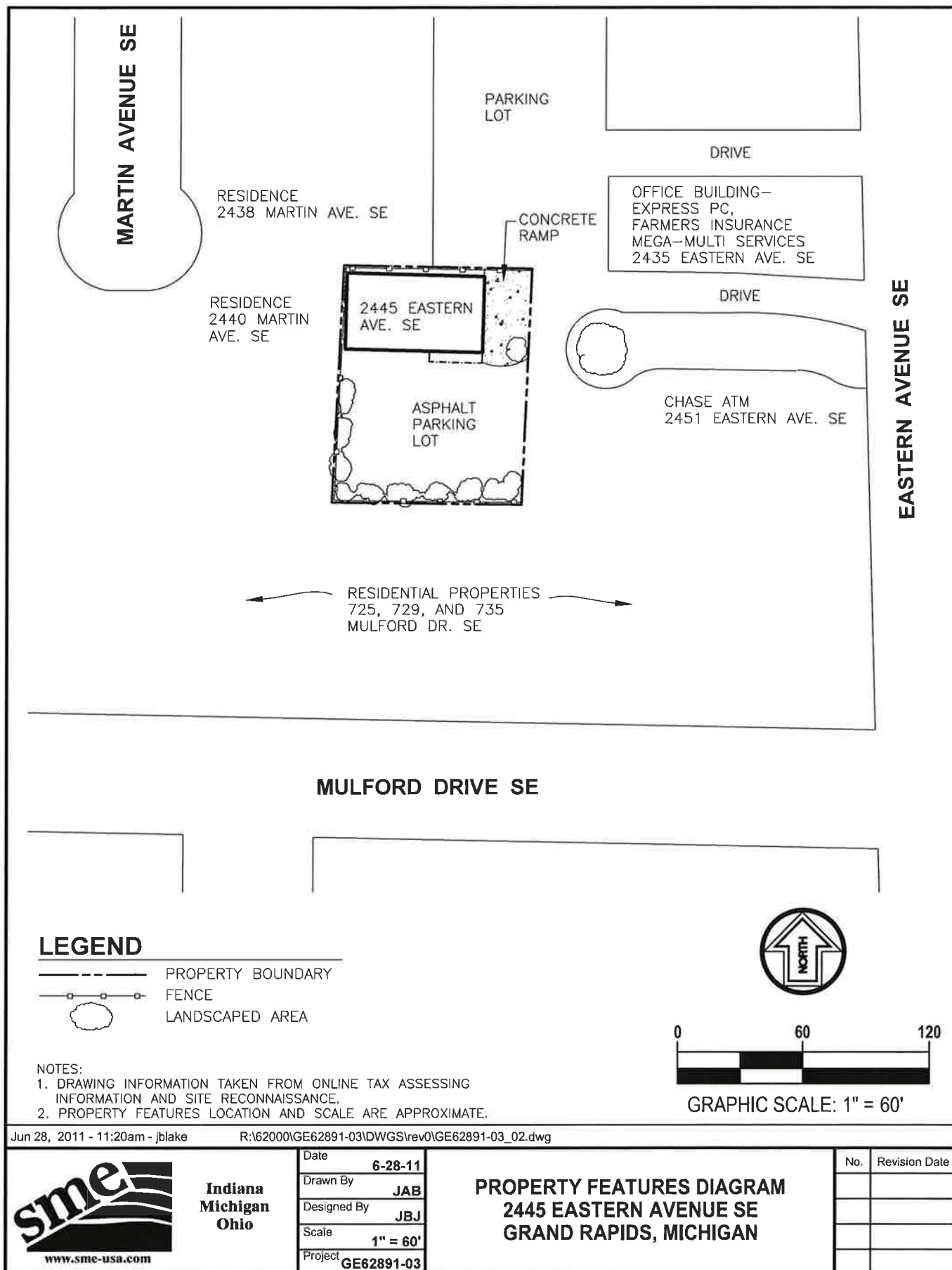


Figure No. 2

APPENDIX B
PHOTOGRAPHS



PHOTO NO. 1: View of the Property, taken from east adjoining site looking northwest.



PHOTO NO. 2: View of the living room area in the building on the Property.

SME Project No.:	GE62891-03
Photographs by:	Johnny Phanthala
Date:	6/16/11
Project:	2445 Eastern Avenue, SE
Location:	Grand Rapids, Michigan



PHOTO NO. 3: View of the utility room in the building on the Property.



PHOTO NO. 4: View of chemical storage in the building on the Property, taken near the southwest corner of the basement.

SME Project No.:	GE62891-03
Photographs by:	Johnny Phanthala
Date:	6/16/11
Project:	2445 Eastern Avenue, SE
Location:	Grand Rapids, Michigan



PHOTO NO. 5: View of discoloration on the basement foundation wall in the building on the Property.



PHOTO NO. 6: View of floor drain in the basement of the building on the Property.

SME Project No.:	GE62891-03
Photographs by:	Johnny Phanthala
Date:	6/16/11
Project:	2445 Eastern Avenue, SE
Location:	Grand Rapids, Michigan



PHOTO NO. 7: North adjoining residence located at 2438 Martin Avenue SE. Photo was taken from the west Property boundary looking north.



PHOTO NO. 8: North adjoining office building, including Express PC, Farmers Insurance, and Mega Multi Services. Photo was taken from the northern portion of Property facing east.

SME Project No.:	GE62891-03
Photographs by:	Johnny Phanthala
Date:	6/16/11
Project:	2445 Eastern Avenue, SE
Location:	Grand Rapids, Michigan



PHOTO NO. 9: East adjoining Chase ATM drive-thru site located at 2451 Eastern Avenue SE. Photo was taken from the central portion of the Property looking east.



PHOTO NO. 10: South adjoining residences located at 725, 729, and 735 Mulford Drive SE. Photo was taken from the Property parking lot facing south.

SME Project No.:	GE62891-03
Photographs by:	Johnny Phanthala
Date:	6/16/11
Project:	2445 Eastern Avenue, SE
Location:	Grand Rapids, Michigan

APPENDIX C
HISTORICAL RESEARCH DOCUMENTATION

AERIAL PHOTOGRAPHS



2445 Eastern Avenue SE

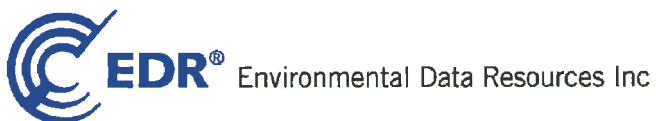
2445 Eastern Avenue SE

Grand Rapids, MI 49507

Inquiry Number: 3096499.5

June 20, 2011

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

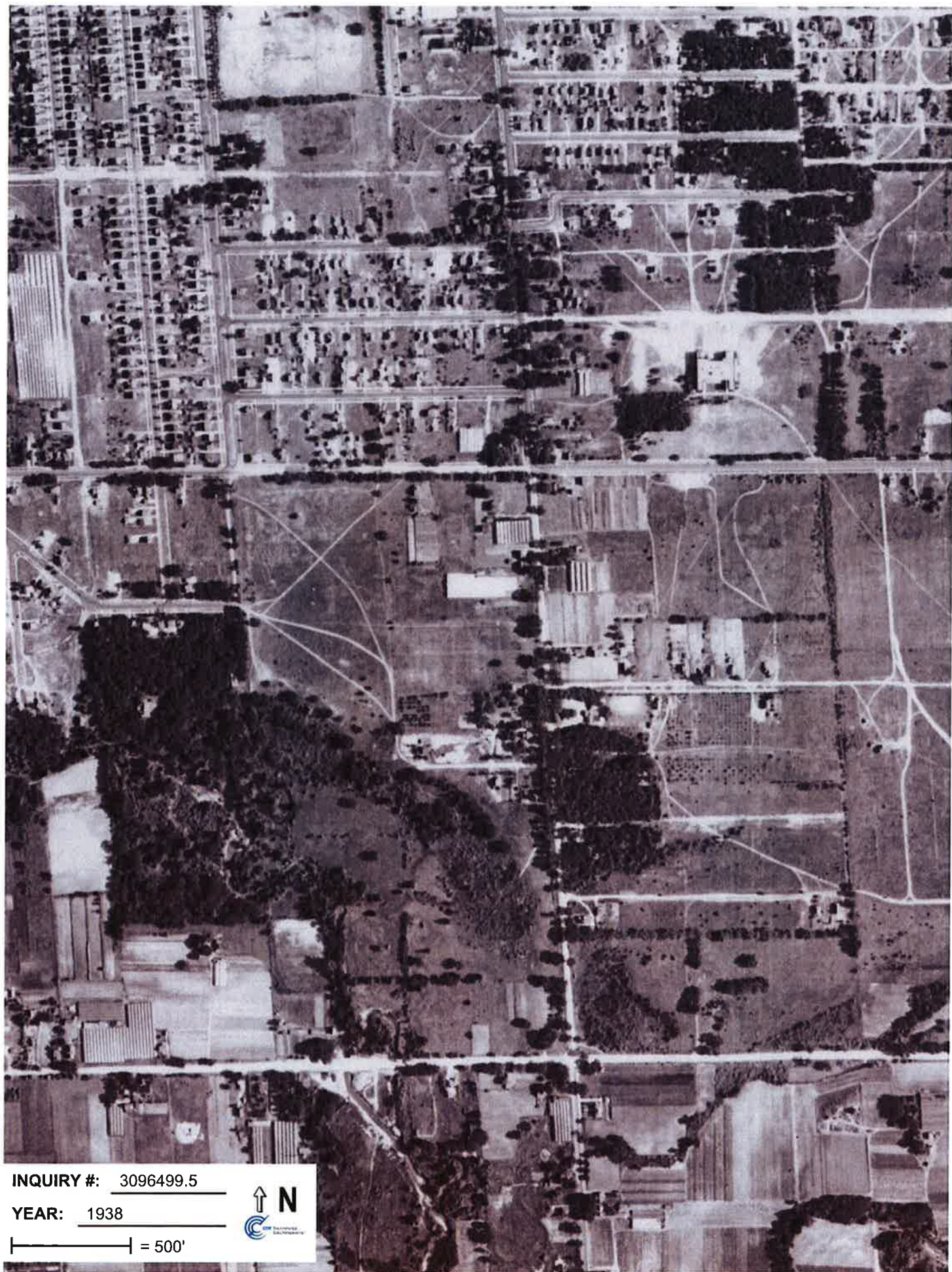
Aerial Photography June 20, 2011

Target Property:

2445 Eastern Avenue SE

Grand Rapids, MI 49507

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	CSS
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1997	Aerial Photograph. Scale: unknown	Flight Year: 1997	FSA
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Flight Year: 2006	EDR

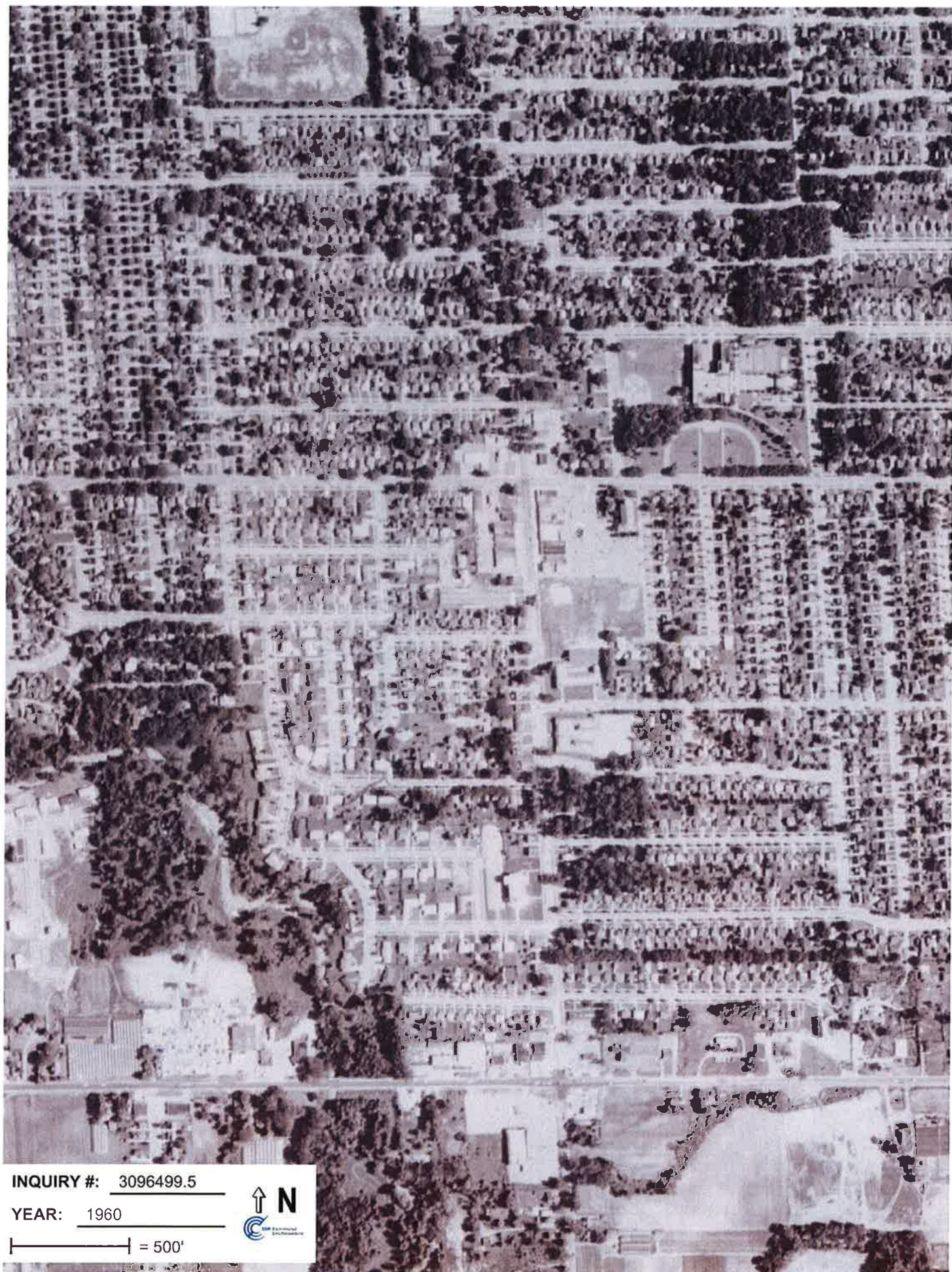


INQUIRY #: 3096499.5

YEAR: 1938

— = 500'



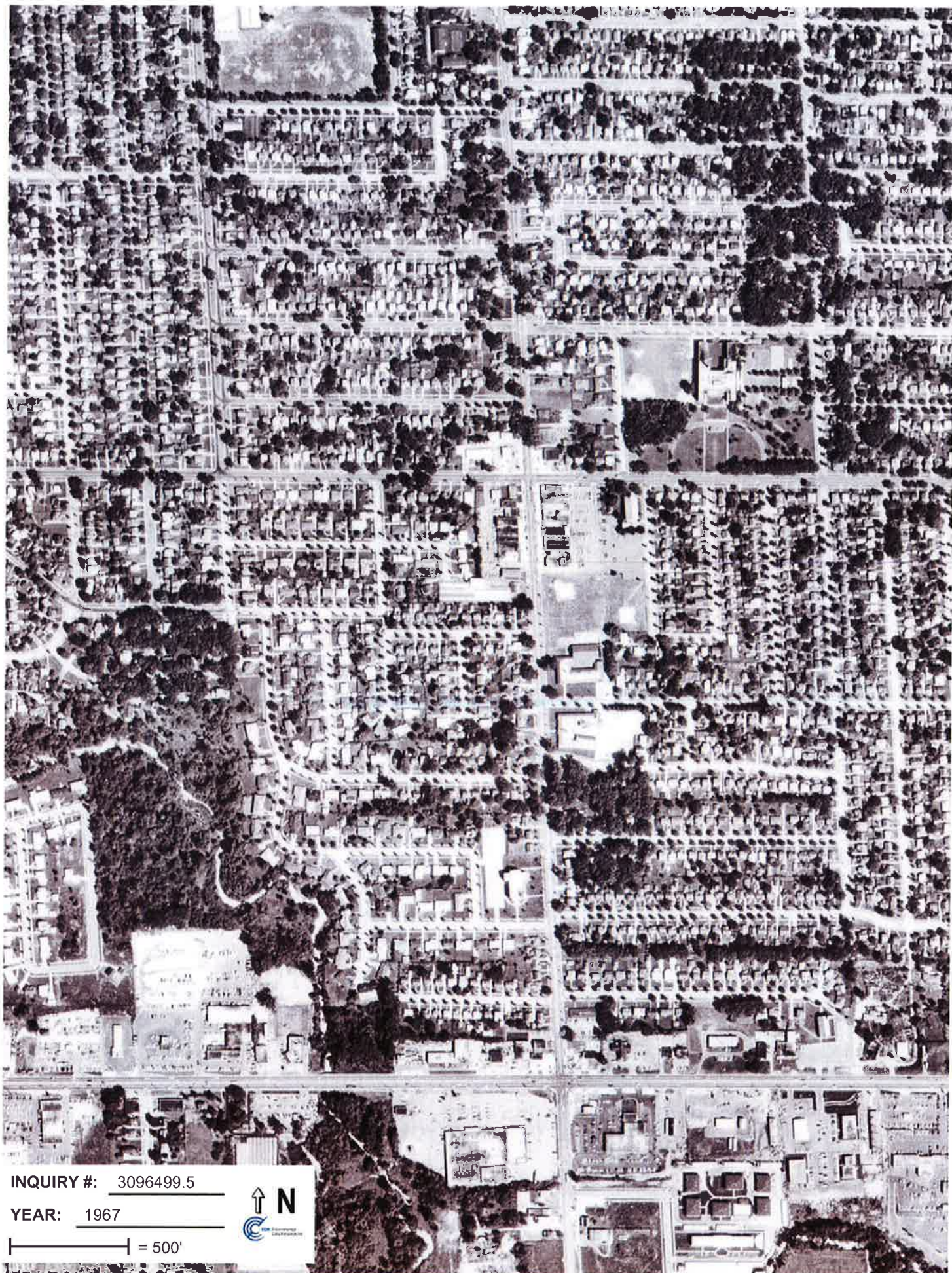


INQUIRY #: 3096499.5

YEAR: 1960

— = 500'



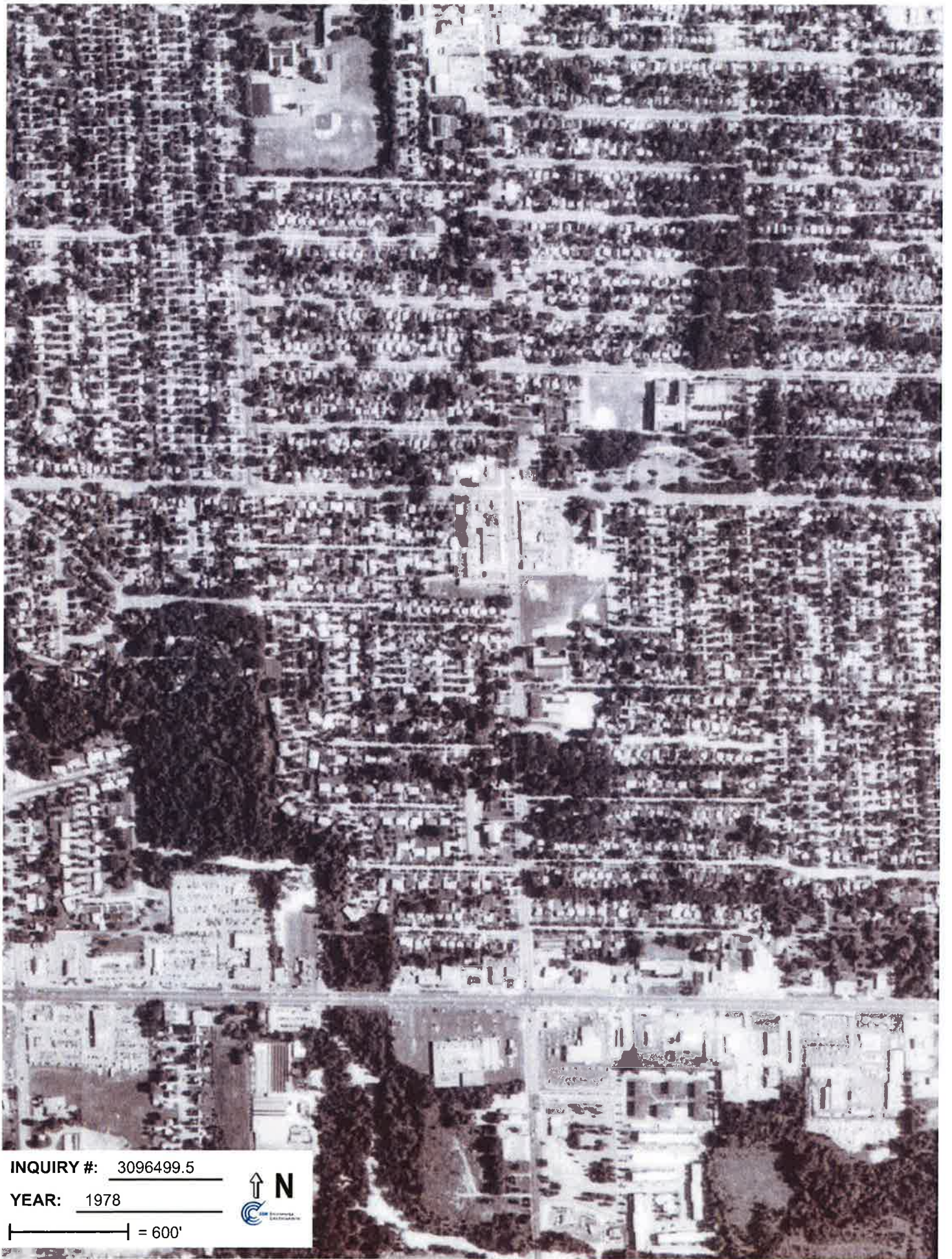


INQUIRY #: 3096499.5

YEAR: 1967

| = 500'





INQUIRY #: 3096499.5

YEAR: 1978

— = 600'





INQUIRY #: 3096499.5

YEAR: 1993

— = 600'





INQUIRY #: 3096499.5

YEAR: 1997

— = unknown





INQUIRY #: 3096499.5

YEAR: 2005

— = 604'





INQUIRY #: 3096499.5

YEAR: 2006

— = 604'



SANBORN MAPS



2445 Eastern Avenue SE

2445 Eastern Avenue SE

Grand Rapids, MI 49507

Inquiry Number: 3096499.3

June 16, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/16/11

Site Name:

2445 Eastern Avenue SE
2445 Eastern Avenue SE
Grand Rapids, MI 49507

Client Name:

Soil & Materials Engineers Inc
4705 Clyde Park Avenue SW
Grand Rapids, MI 49509



Environmental Data Resources Inc

EDR Inquiry # 3096499.3

Contact: Brian S. Trent

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Soil & Materials Engineers Inc were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 2445 Eastern Avenue SE
Address: 2445 Eastern Avenue SE
City, State, Zip: Grand Rapids, MI 49507
Cross Street:
P.O. # NA
Project: GE62891-03
Certification # 42B4-4459-BC37



Sanborn® Library search results
Certification # 42B4-4459-BC37

Maps Provided:

1985 1913
1966
1953
1950
1948
1930

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Soil & Materials Engineers Inc (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1985 Source Sheets



Volume 7, Sheet 719



Volume 7, Sheet 720

1966 Source Sheets



Volume 7, Sheet 719



Volume 7, Sheet 720

1953 Source Sheets



Volume 7, Sheet 719



Volume 7, Sheet 720

1950 Source Sheets



Volume 6, Sheet 720



Volume 6, Sheet 719

1948 Source Sheets



Volume 3, Sheet 406

1930 Source Sheets



Volume 6, Sheet 719



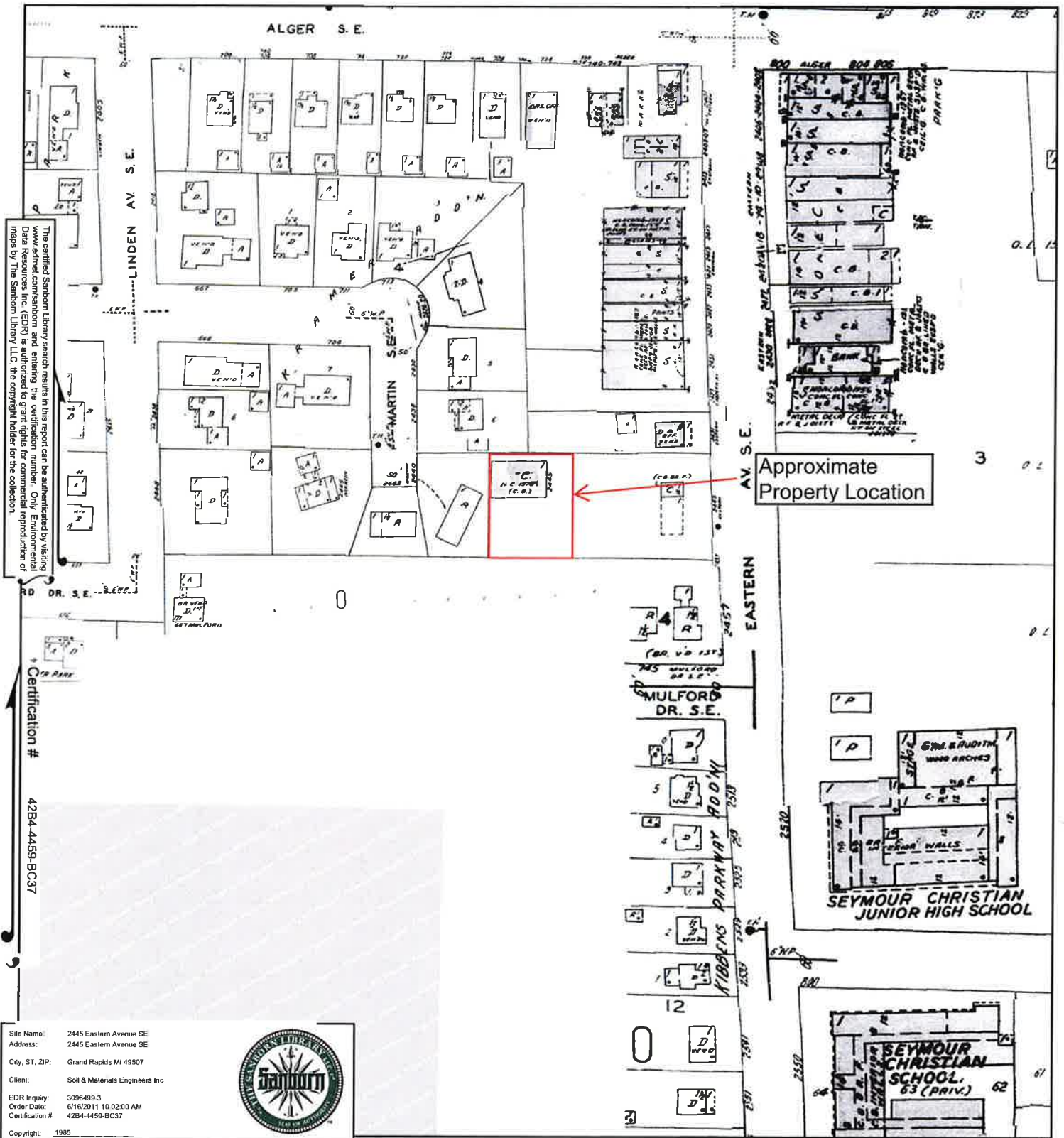
Volume 6, Sheet 720

1913 Source Sheets



Volume 3, Sheet 406

1985 Certified Sanborn Map



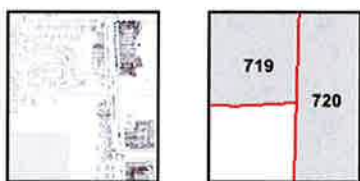
The certified Sanborn Library search results in this report can be authenticated by visiting www.edr.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4284-4459-BC37

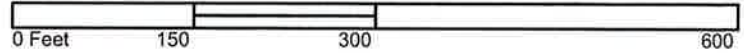
Site Name: 2445 Eastern Avenue SE
 Address: 2445 Eastern Avenue SE
 City, ST, ZIP: Grand Rapids MI 49507
 Client: Soil & Materials Engineers Inc.
 EDR Inquiry: 3096499.3
 Order Date: 6/16/2011 10:02:00 AM
 Certification #: 4284-4459-BC37
 Copyright: 1985



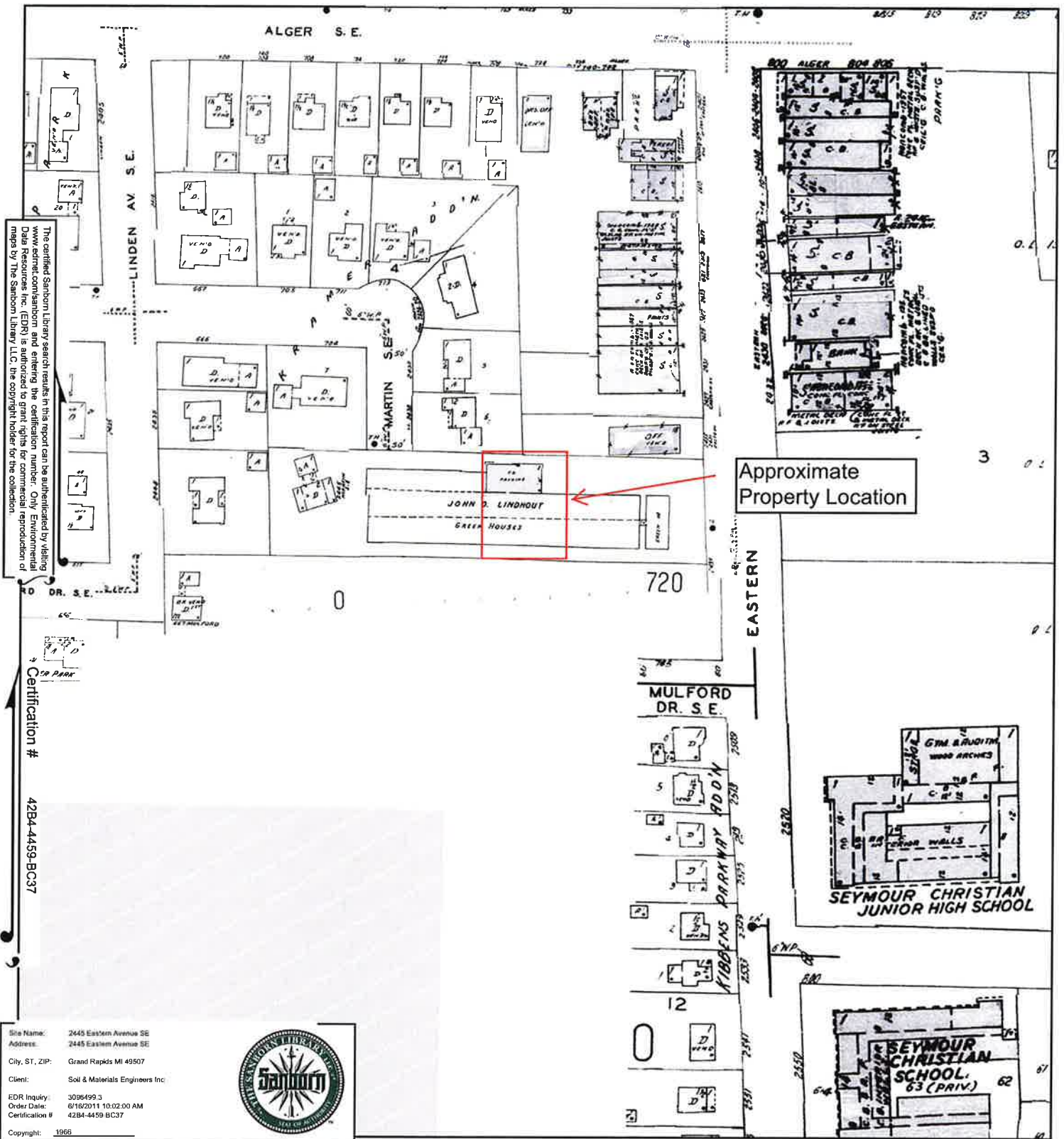
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 7, Sheet 719
 Volume 7, Sheet 720



1966 Certified Sanborn Map



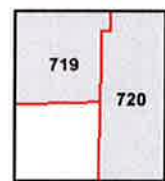
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 42B4-4459-BC37

Site Name: 2445 Eastern Avenue SE
 Address: 2445 Eastern Avenue SE
 City, ST, ZIP: Grand Rapids MI 49507
 Client: Soil & Materials Engineers Inc.
 EDR Inquiry: 3096499.3
 Order Date: 6/16/2011 10:02:00 AM
 Certification #: 42B4-4459-BC37
 Copyright: 1966



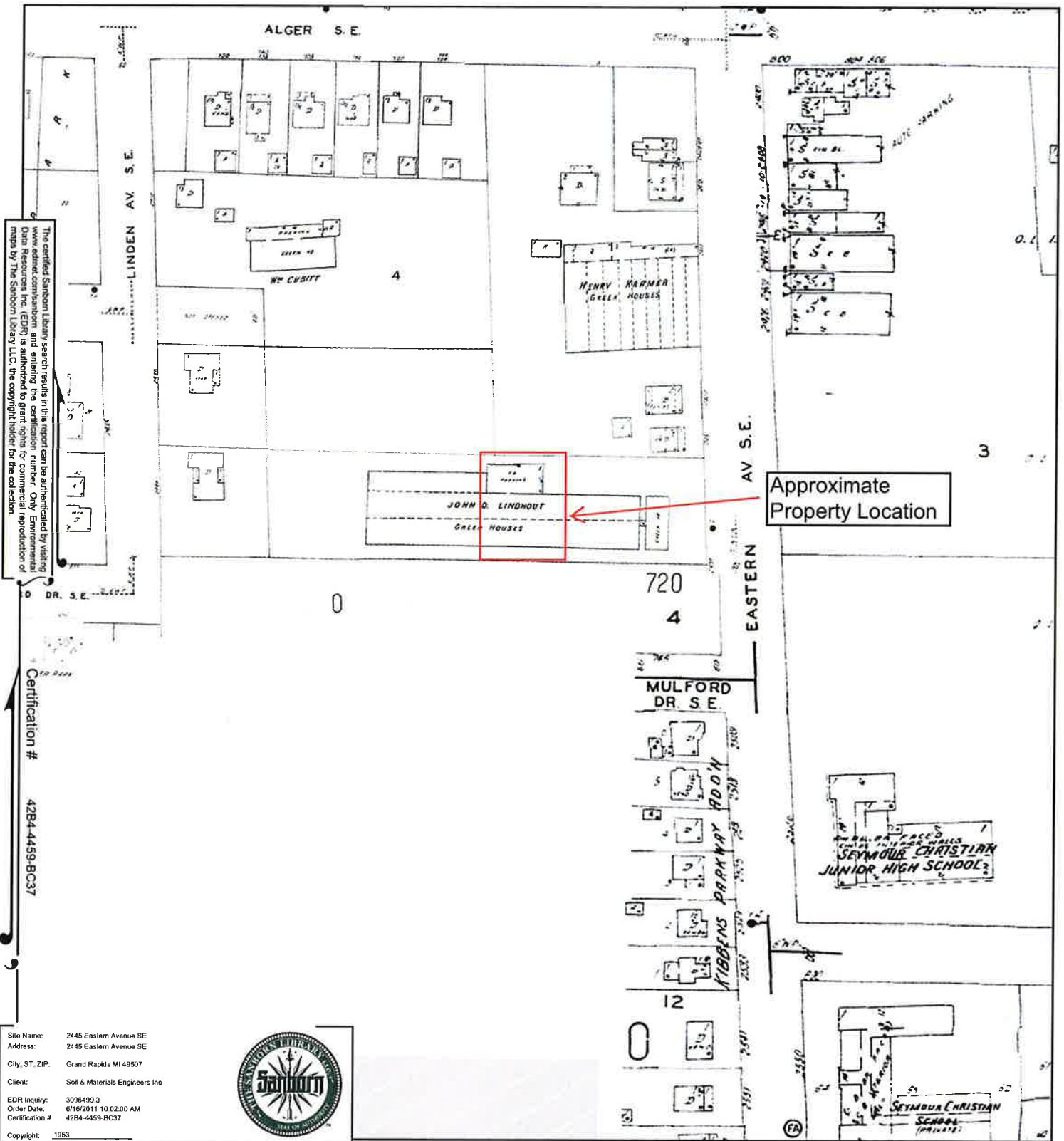
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 7, Sheet 719
 Volume 7, Sheet 720



1953 Certified Sanborn Map



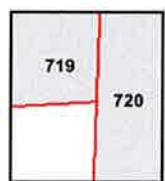
The certified Sanborn Library search results in this report can be authenticated by visiting www.edr.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 42B4-4459-BC37

Site Name: 2445 Eastern Avenue SE
 Address: 2445 Eastern Avenue SE
 City, ST, ZIP: Grand Rapids MI 49507
 Client: Soil & Materials Engineers Inc
 EDR tagkey: 3096499.3
 Order Date: 6/16/2011 10:02:00 AM
 Certification # 42B4-4459-BC37
 Copyright: 1953

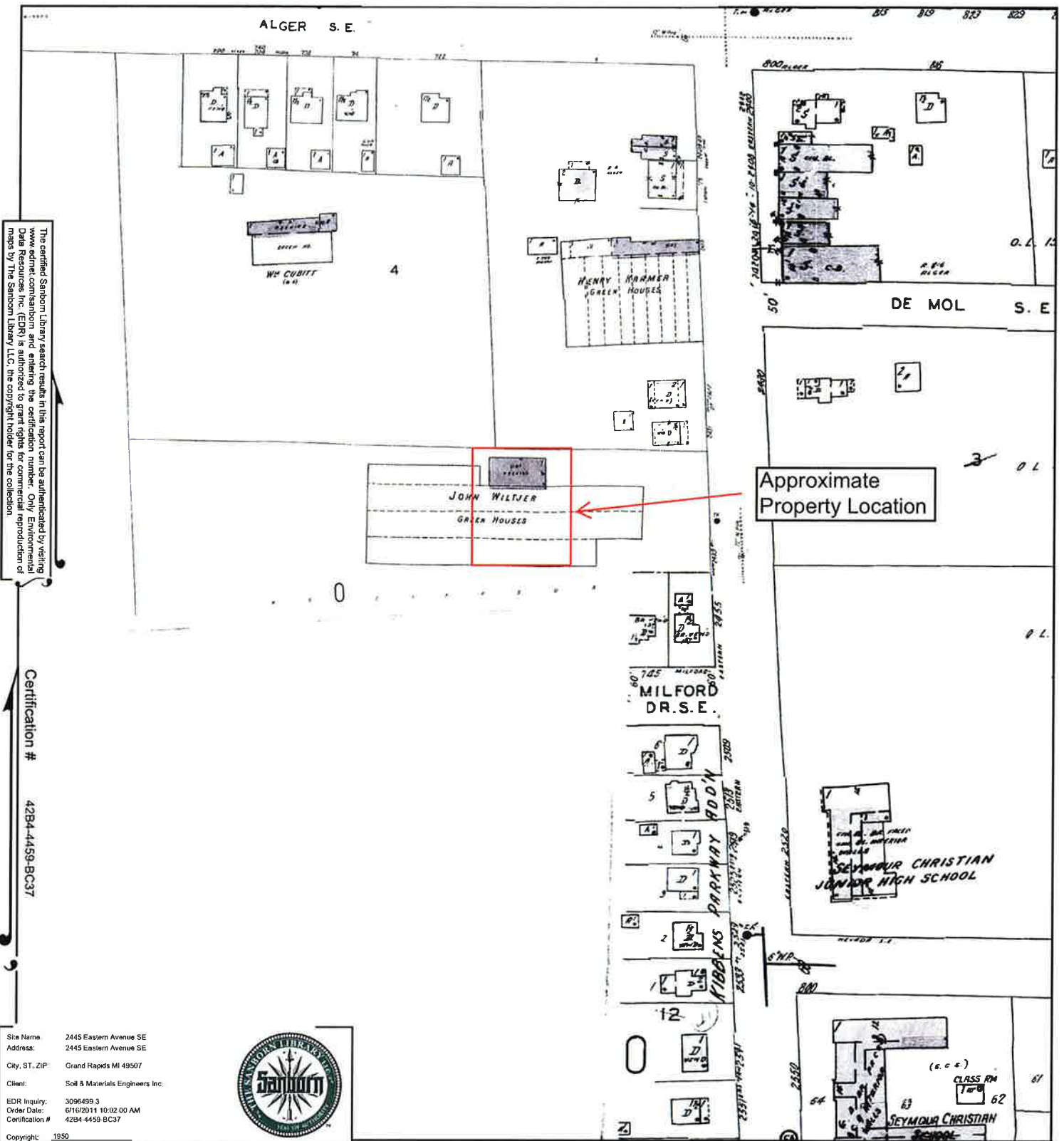


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 7, Sheet 719
 Volume 7, Sheet 720

1950 Certified Sanborn Map



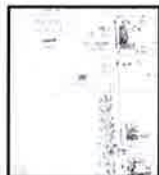
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4284-4459-BC37

Site Name: 2445 Eastern Avenue SE
 Address: 2445 Eastern Avenue SE
 City, ST, ZIP: Grand Rapids MI 49507
 Client: Soil & Materials Engineers Inc.
 EDR Inquiry: 3096499-3
 Order Date: 6/16/2011 10:02:00 AM
 Certification #: 4284-4459-BC37
 Copyright: 1950

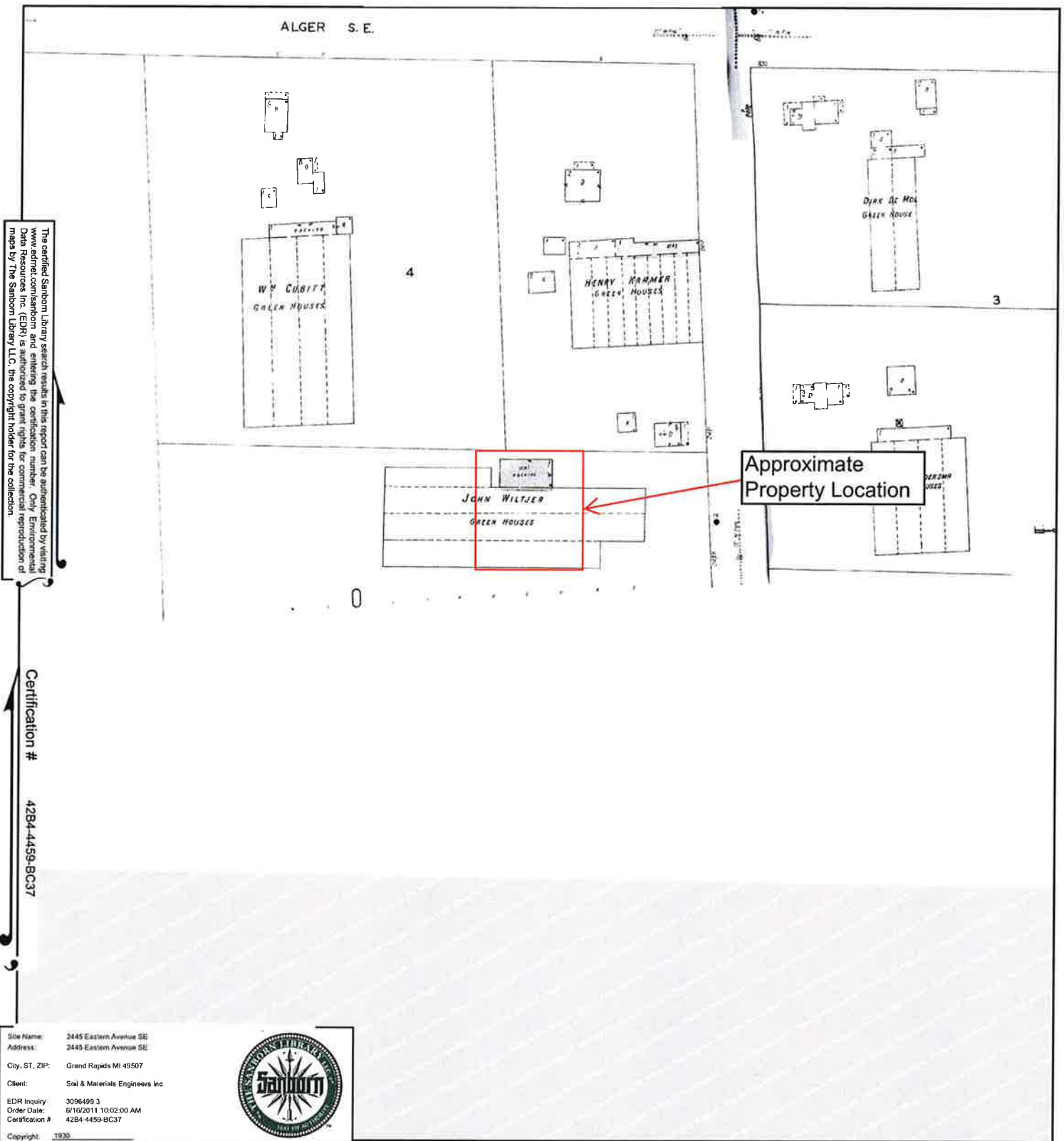


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 6, Sheet 720
 Volume 6, Sheet 719

1930 Certified Sanborn Map



Certification # 4284-4459-BC37

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 6, Sheet 719
Volume 6, Sheet 720

1913 Certified Sanborn Map

ALGER AV. S. E.

406

Located 0.75 Miles S.-S.E. of City Hall

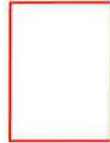
REED & CRENEY, GREEN HOUSES
PLANT NO. 3
GREEN HO'S

PLANT GREEN HO'S

EASTERN AV. S. E.

J. W. BROEMER, GREEN HOUSES

Approximate
Property Location



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #

4284-4459-BC37

Site Name: 2445 Eastern Avenue SE
Address: 2445 Eastern Avenue SE
City, ST, ZIP: Grand Rapids MI 49507
Client: Soil & Materials Engineers Inc.
EDR Inquiry: 3096499-3
Order Date: 6/16/2011 10:02:00 AM
Certification #: 4284-4459-BC37
Copyright: 1913



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 3, Sheet 406



MUNICIPAL RECORDS



CITY OF GRAND RAPIDS
FIRE DEPARTMENT

LAURA KNAPP
FIRE CHIEF

GARY SZOTKO
DEPUTY FIRE CHIEF

GERARD SALATKA
DEPUTY FIRE CHIEF

June 20, 2011

Soil and Materials Engineers, Inc.
ATTN: Johnny Panthala
4705 Clyde Park Ave. SW
Grand Rapids, MI 49509

RE: Freedom of Information Act Request

Dear Mr. Panthala:

This letter will respond to your Freedom of Information Act request above referenced as received by the Freedom of Information Act Coordinator on June 20, 2011. Your request is as follows:

2445 Eastern Avenue, SE

There are no records to respond to your request. Therefore, your request is formally denied as the information requested and described above does not exist in a public record under the name you have set out or by any other name reasonably known to the City of Grand Rapids. Certification of this fact is enclosed with this letter as required by the Michigan Freedom of Information Act.

You have certain rights to appeal the denial of your record request. You may either appeal to the City Commission or commence a Kent County Circuit Court action within 180 days of this letter. Your appeal rights and rights to damages for improper denial are specifically set out in Section 10 of the Act. A copy of Section 10 of the Act has been enclosed so that we may comply with MCL 15.235.

SMOKE DETECTORS SAVE LIVES

ADMINISTRATIVE OFFICES, 38 LAGRAVE S.E., GRAND RAPIDS, MICHIGAN 49503 (616) 456 3900 FAX 456-3577

CERTIFICATE

Laura Knapp, FOIA Coordinator, certifies that the public records requested:

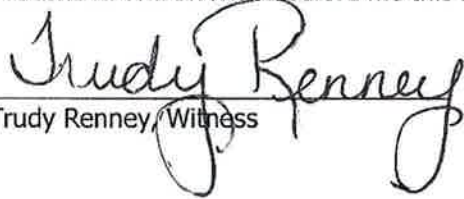
2445 Eastern Avenue, SE

does not exist under the name given by the requesting person, or by any other name reasonably known to the public body.



Laura Knapp, Fire Chief
FOIA Coordinator

Subscribed and sworn to before me this June 20, 2011



Trudy Renney, Witness

SMOKE DETECTORS SAVE LIVES

ADMINISTRATIVE OFFICES, 38 LAGRAVE S.E., GRAND RAPIDS, MICHIGAN 49503 (616) 456 3900 FAX 456-3577

RIGHT TO SEEK JUDICIAL REVIEW

Sec. 10. (1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:

(a) Submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.

(b) Commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.

(2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:

(a) Reverse the disclosure denial.

(b) Issue a written notice to the requesting person upholding the disclosure denial.

(c) Reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.

(d) Under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than 1 notice of extension for a particular written appeal.

(3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

(4) In an action commenced under subsection (1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his or her principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

(5) An action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorney's fees, costs, and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements. The award shall be assessed against the public body liable for damages under subsection (7).

SMOKE DETECTORS SAVE LIVES

ADMINISTRATIVE OFFICES, 38 LAGRAVE S.E., GRAND RAPIDS, MICHIGAN 49503 (616) 456 3900 FAX 456-3577

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall award, in addition to any actual or compensatory damages, punitive damages in the amount of \$500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the succeeding public body that is not an individual and that kept or maintained the public record as part of its public function.

SMOKE DETECTORS SAVE LIVES

ADMINISTRATIVE OFFICES, 38 LAGRAVE S.E., GRAND RAPIDS, MICHIGAN 49503 (616) 456 3900 FAX 456-3577

Grantor	Grantee	Sale Price	Sale Date	Inst Type	Terms of Sale	Liber & Page	Verified by	Prct Trans
BANK ONE	POORTENGA LINDA	26,000	03/29/2004					100.0
Property Address		Zoning:		Building Permit(s)		Date		Amount
2445 SE EASTERN AVE								
Owner's Name/Address								
POORTENGA LINDA								
2555 MARTIN ST SE								
GRAND RAPIDS MI 49507								
Lot:								
2005 Est TCV 83,200 (Value Overridden)								
X Improved		Vacant		Land Value Estimates for Land Table 1H, Land Table 1H				
Public Improvements				Description Frontage Depth Frontage Depth Rate \$Adj. Reason				Value
Dirt Road				0.00 Total Acres		Total Est. Land Value =		30,600
Gravel Road								30,600
Paved Road								
Storm Sewer								
Sidewalk								
Water								
Sewer								
Electric								
Gas								
Curb								
Street Lights								
Standard Utilities								
Underground Utils.								
Topography of Site								
Level								
Rolling								
Low								
High								
Landscaped								
Swamp								
Wooded								
Pond								
Waterfront								
Ravine								
Wetland								
Flood Plain								
Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/Other	Taxable Value		
2005	15,300	26,300	41,600			41,600		
2004								
2003								
2002								
Who	When	What						
The Equalizer. Copyright (c) 1999 - 2000. Licensed to: City of Grand Rapids, Kent County								

Information herein deemed reliable but not guaranteed

TOPOGRAPHIC MAPS



2445 Eastern Avenue SE

2445 Eastern Avenue SE

Grand Rapids, MI 49507

Inquiry Number: 3096499.4

June 16, 2011

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

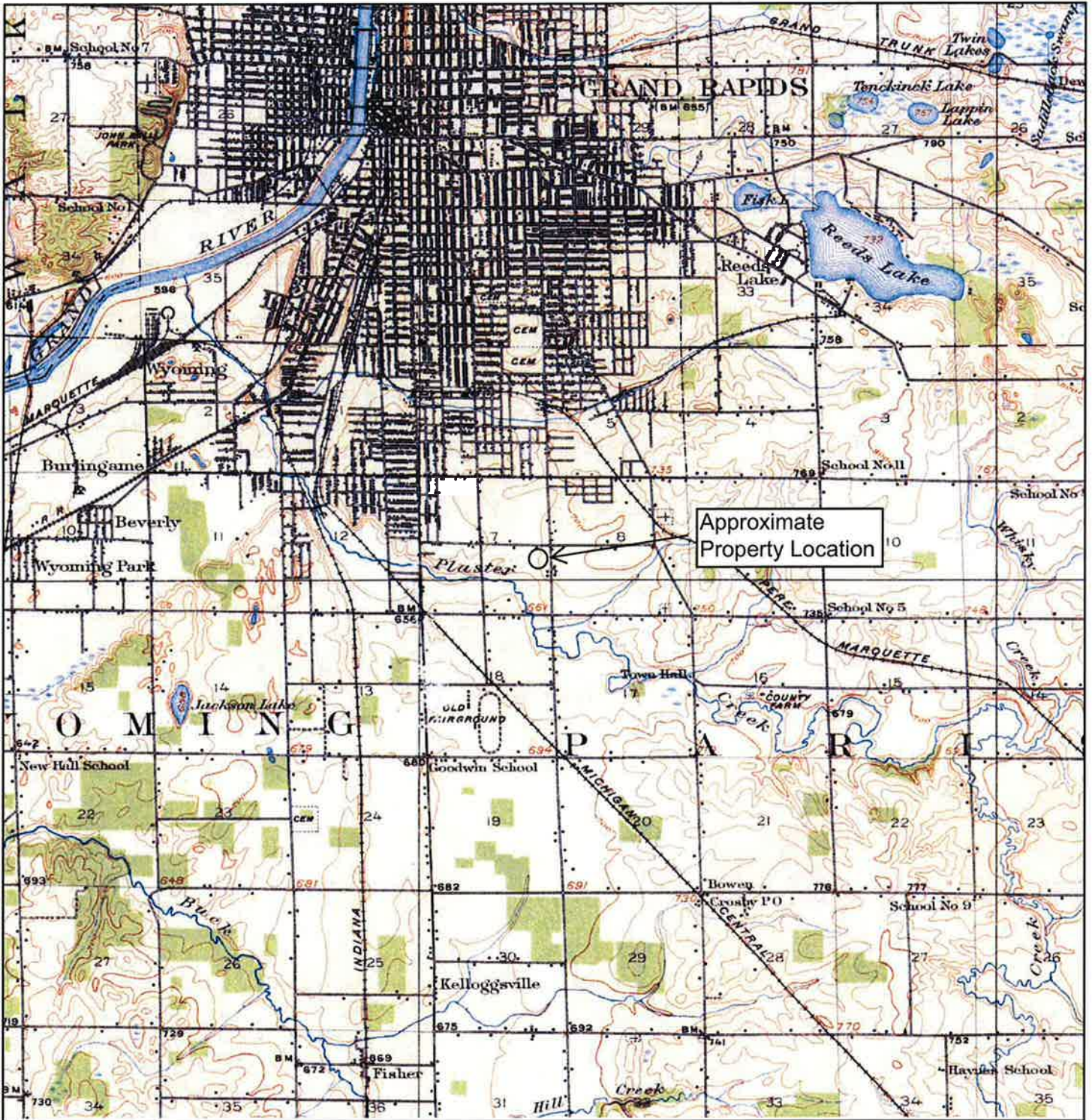
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

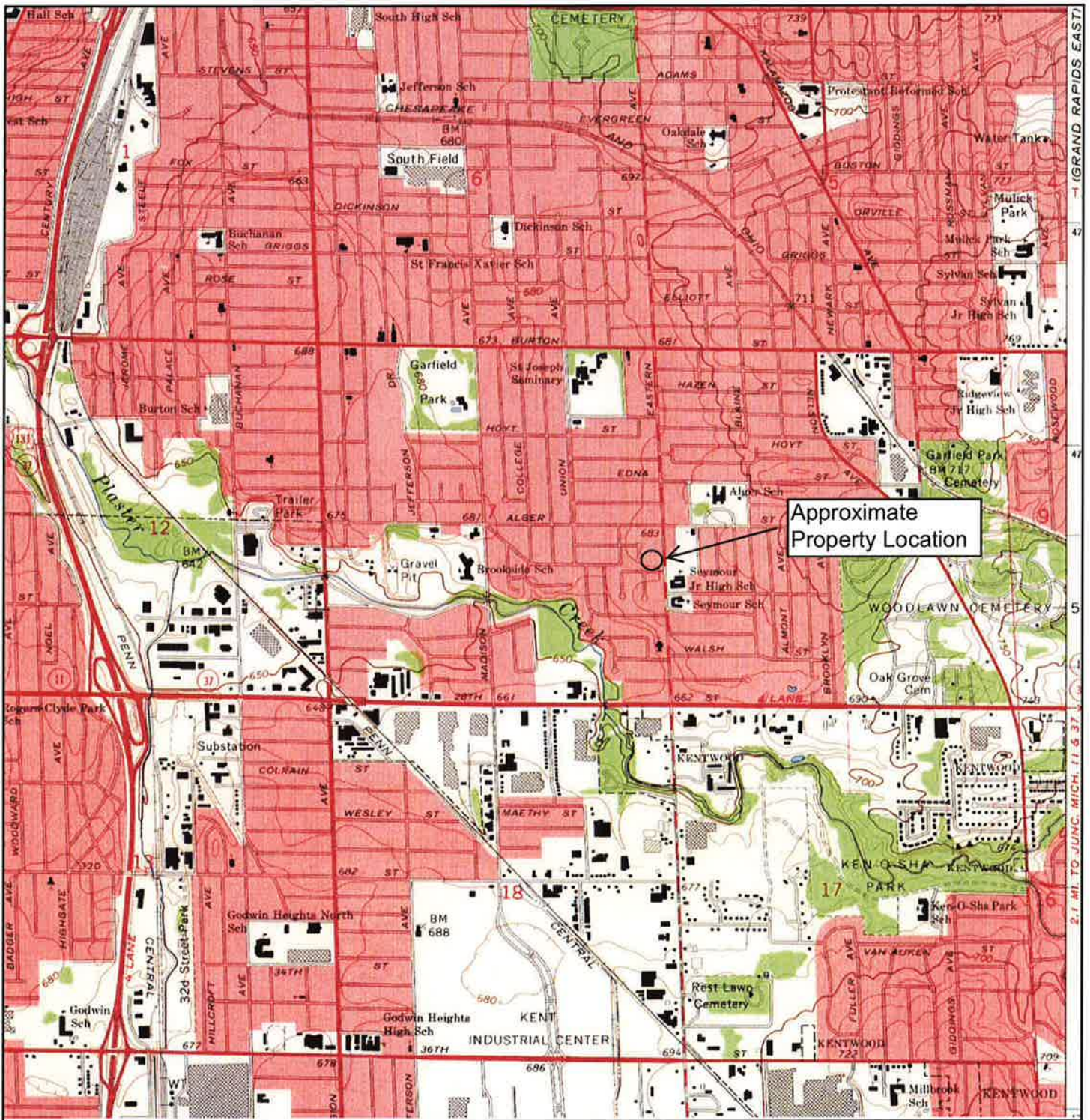
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



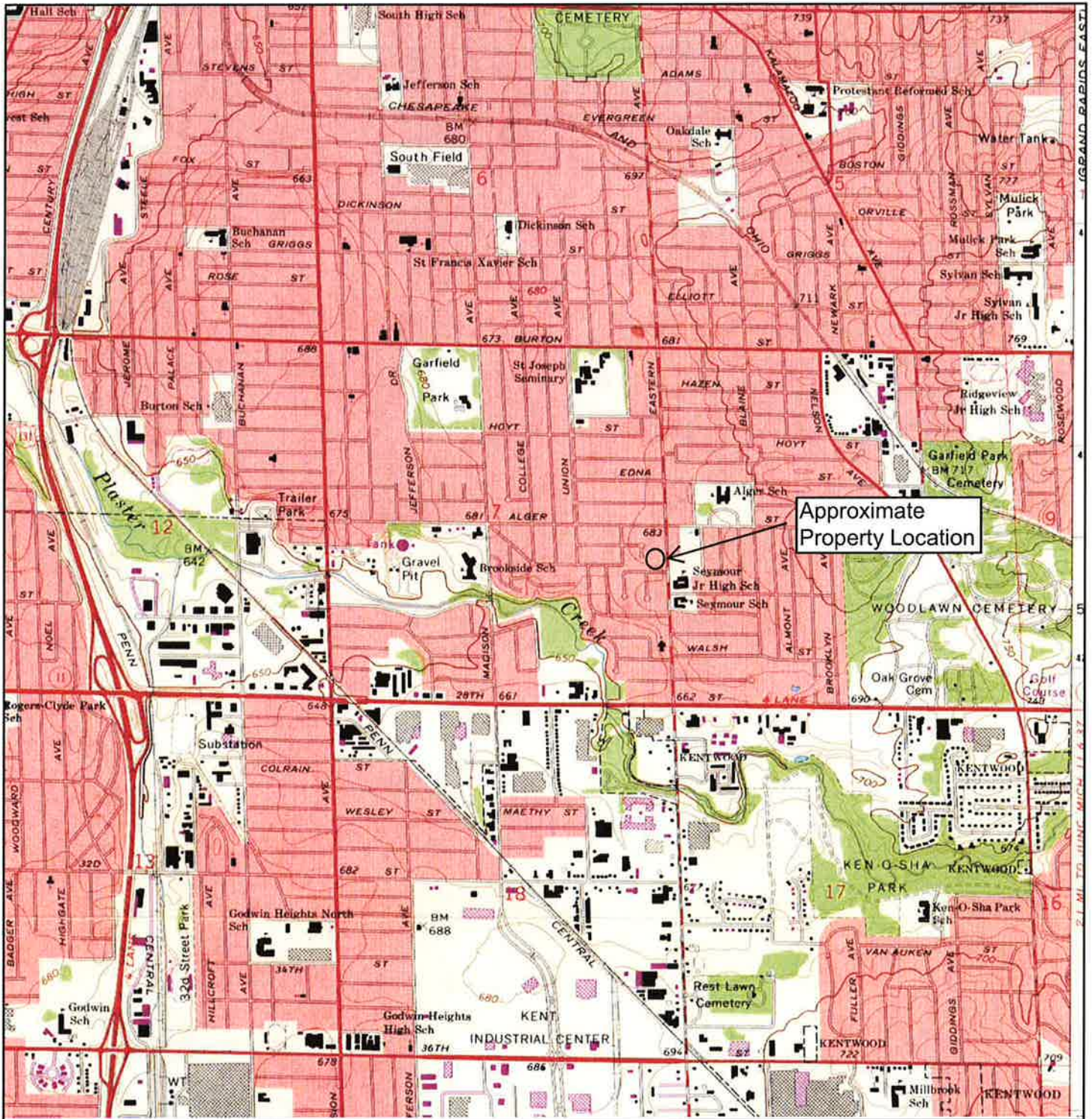
<p>N ↑</p>	<p>TARGET QUAD NAME: GRAND RAPIDS MAP YEAR: 1914</p> <p>SERIES: 15 SCALE: 1:62500</p>	<p>SITE NAME: 2445 Eastern Avenue SE ADDRESS: 2445 Eastern Avenue SE Grand Rapids, MI 49507 LAT/LONG: 42.9185 / -85.6483</p>	<p>CLIENT: Soil & Materials Engineers Inc CONTACT: Brian S. Trent INQUIRY#: 3096499.4 RESEARCH DATE: 06/16/2011</p>
----------------	---	--	---

Historical Topographic Map



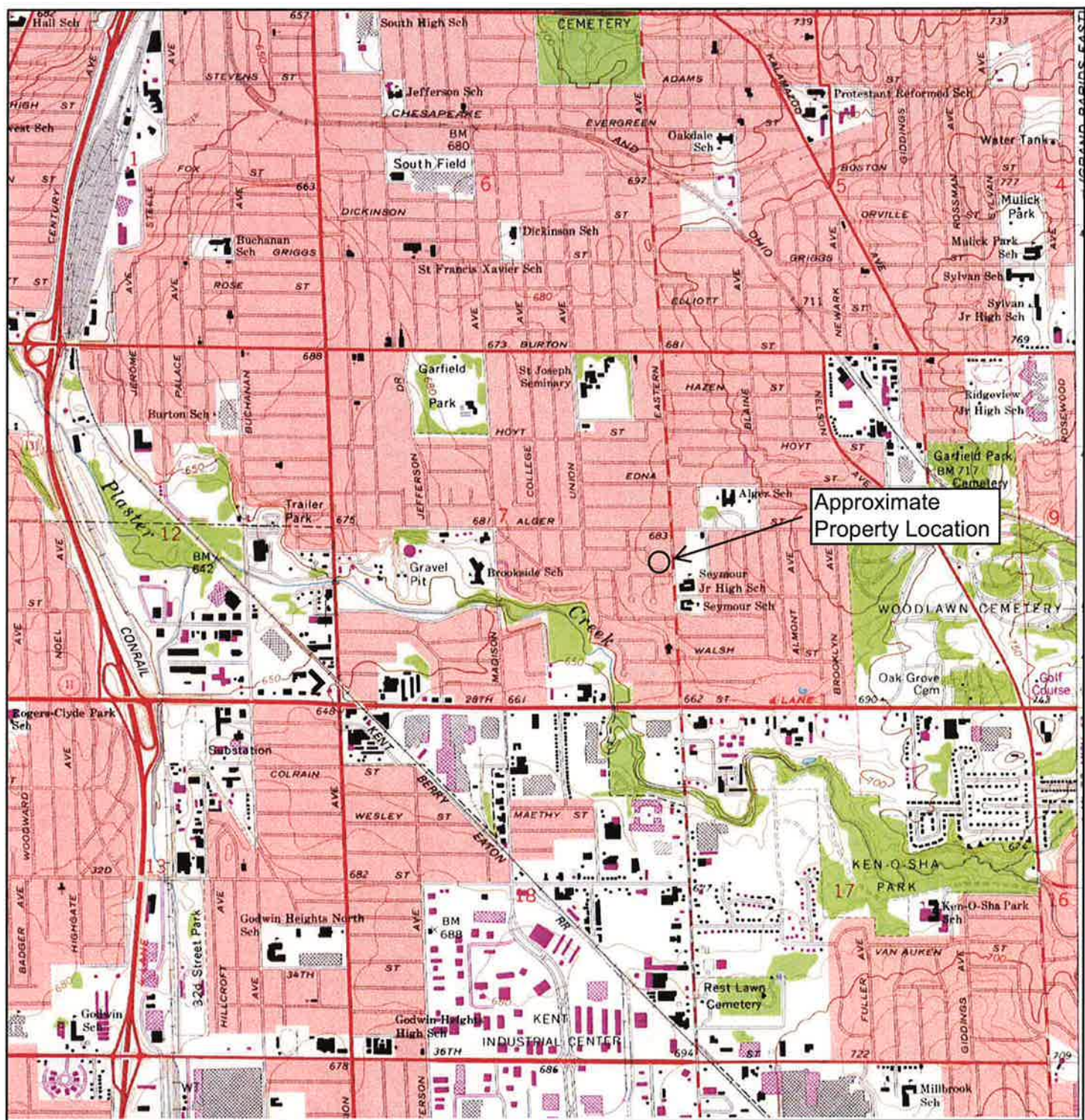
<p>N ↑</p>	<p>TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1967</p> <p>SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: 2445 Eastern Avenue SE ADDRESS: 2445 Eastern Avenue SE Grand Rapids, MI 49507 LAT/LONG: 42.9185 / -85.6483</p>	<p>CLIENT: Soil & Materials Engineers Inc</p> <p>CONTACT: Brian S. Trent INQUIRY#: 3096499.4 RESEARCH DATE: 06/16/2011</p>
----------------	---	--	--

Historical Topographic Map



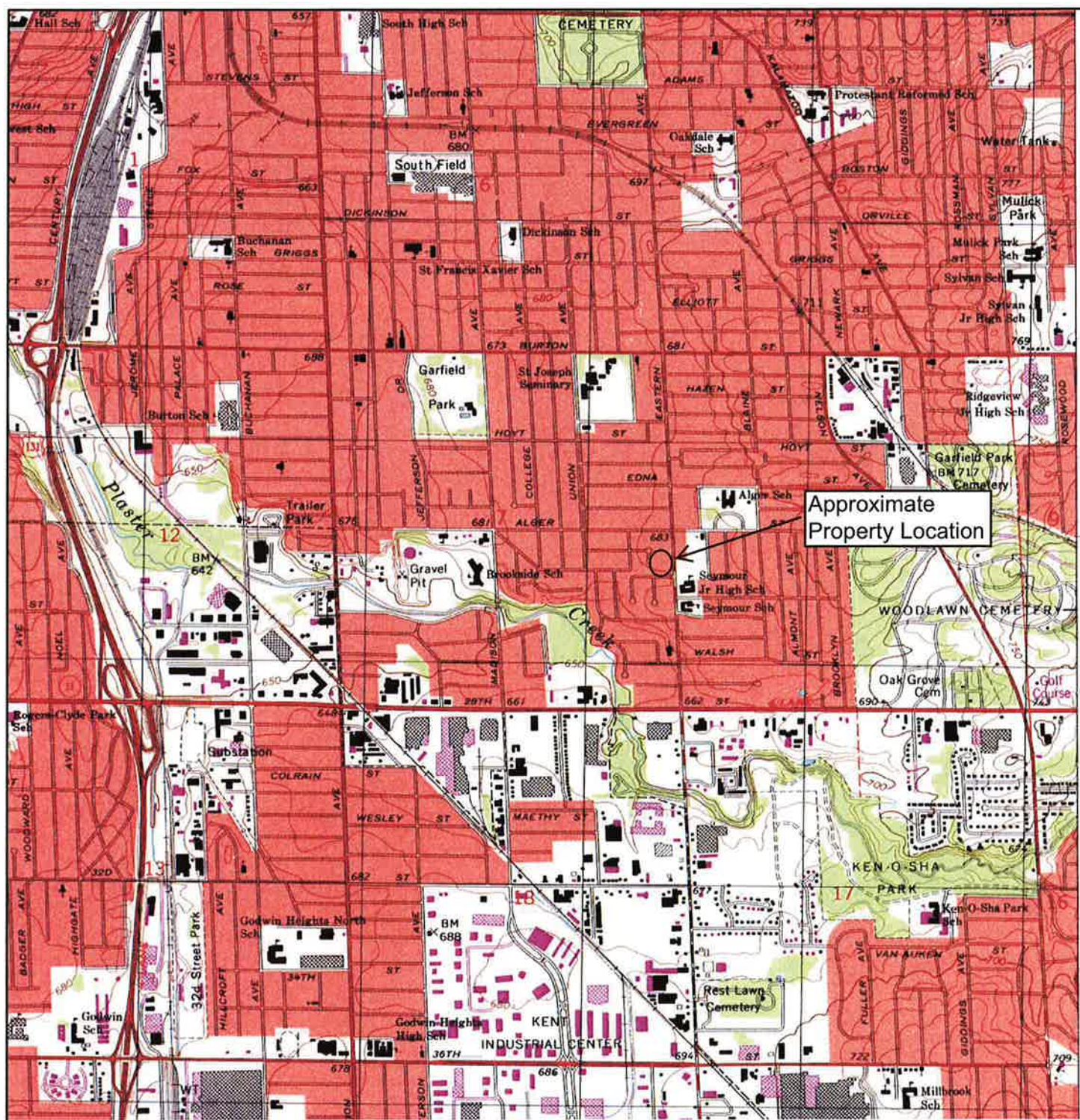
<div data-bbox="97 1774 129 1879" data-label="Image"> </div> <div data-bbox="154 1743 552 1921" data-label="Text"> <p>TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1972 PHOTOREVISED: 1967 SERIES: 7.5 SCALE: 1:24000</p> </div>	<div data-bbox="576 1743 1023 1858" data-label="Text"> <p>SITE NAME: 2445 Eastern Avenue SE ADDRESS: 2445 Eastern Avenue SE Grand Rapids, MI 49507 LAT/LONG: 42.9185 / -85.6483</p> </div>	<div data-bbox="1039 1743 1518 1890" data-label="Text"> <p>CLIENT: Soil & Materials Engineers Inc CONTACT: Brian S. Trent INQUIRY#: 3096499.4 RESEARCH DATE: 06/16/2011</p> </div>
--	---	---

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1981 PHOTOREVISED: 1967 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: 2445 Eastern Avenue SE ADDRESS: 2445 Eastern Avenue SE Grand Rapids, MI 49507 LAT/LONG: 42.9185 / -85.6483</p>	<p>CLIENT: Soil & Materials Engineers Inc CONTACT: Brian S. Trent INQUIRY#: 3096499.4 RESEARCH DATE: 06/16/2011</p>
----------------	---	--	--

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1996</p> <p>SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: 2445 Eastern Avenue SE ADDRESS: 2445 Eastern Avenue SE Grand Rapids, MI 49507 LAT/LONG: 42.9185 / -85.6483</p>	<p>CLIENT: Soil & Materials Engineers Inc</p> <p>CONTACT: Brian S. Trent INQUIRY#: 3096499.4 RESEARCH DATE: 06/16/2011</p>
----------------	---	--	--

STREET DIRECTORIES

2445 Eastern Avenue SE
2445 Eastern Avenue SE
Grand Rapids, MI 49507

Inquiry Number: 3096499.6
June 21, 2011

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1990	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1985	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1980	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1975	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1970	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1966	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1961	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1956	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1951	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1946	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1941	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1936	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1932	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1928	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1923	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1919	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1914	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1909	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1905	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works. Reproduction of City Directories without permission of the publisher may be a violation of copyright.

Data by

infoUSA[®]

Copyright©2008
All Rights Reserved

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2445 Eastern Avenue SE
Grand Rapids, MI 49507

TARGET PROPERTY FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
2011	pg A1	Polk's City Directory
2001	pg A4	Polk's City Directory
1970	pg A10	Polk's City Directory
1966	pg A11	Polk's City Directory
1961	pg A12	Polk's City Directory
1956	pg A13	Polk's City Directory
1951	pg A14	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

Eastern Avenue SE

<u>Eastern Avenue SE Year</u>	<u>CD Image</u>	<u>Source</u>	
1956	pg. A13	Polk's City Directory	
1951	pg. A14	Polk's City Directory	
1946	pg. A15	Polk's City Directory	
1941	pg. A16	Polk's City Directory	
1936	pg. A17	Polk's City Directory	
1932	pg. A18	Polk's City Directory	
1928	pg. A19	Polk's City Directory	
1923	pg. A20	Polk's City Directory	
1919	pg. A21	Polk's City Directory	
1914	pg. A22	Polk's City Directory	
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source

2435 Eastern Avenue SE

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A2	Polk's City Directory	
	pg. A1	Polk's City Directory	
2006	pg. A3	Polk's City Directory	
2001	pg. A4	Polk's City Directory	
1995	pg. A5	Polk's City Directory	
1990	pg. A6	Polk's City Directory	
1985	pg. A7	Polk's City Directory	
1980	pg. A8	Polk's City Directory	
1975	pg. A9	Polk's City Directory	
1970	pg. A10	Polk's City Directory	
1966	pg. A11	Polk's City Directory	
1961	pg. A12	Polk's City Directory	
1956	-	Polk's City Directory	Address Not Listed In Research Source
1951	-	Polk's City Directory	Address Not Listed In Research Source
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Address Not Listed In Research Source
1919	-	Polk's City Directory	Address Not Listed In Research Source
1914	-	Polk's City Directory	Address Not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source
2439 Eastern Avenue SE			
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	-	Polk's City Directory	Address Not Listed In Research Source
2006	-	Polk's City Directory	Address Not Listed In Research Source
2001	-	Polk's City Directory	Address Not Listed In Research Source
1995	-	Polk's City Directory	Address Not Listed In Research Source
1990	-	Polk's City Directory	Address Not Listed In Research Source
1985	-	Polk's City Directory	Address Not Listed In Research Source
1980	-	Polk's City Directory	Address Not Listed In Research Source
1975	-	Polk's City Directory	Address Not Listed In Research Source
1970	-	Polk's City Directory	Address Not Listed In Research Source
1966	-	Polk's City Directory	Address Not Listed In Research Source
1961	-	Polk's City Directory	Address Not Listed In Research Source
1956	-	Polk's City Directory	Address Not Listed In Research Source
1951	-	Polk's City Directory	Address Not Listed In Research Source
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Address Not Listed In Research Source
1919	-	Polk's City Directory	Address Not Listed In Research Source
1914	-	Polk's City Directory	Address Not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source
2451 Eastern Avenue SE			
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	-	Polk's City Directory	Address Not Listed In Research Source
2006	-	Polk's City Directory	Address Not Listed In Research Source
2001	-	Polk's City Directory	Address Not Listed In Research Source
1995	-	Polk's City Directory	Address Not Listed In Research Source
1990	-	Polk's City Directory	Address Not Listed In Research Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1985	-	Polk's City Directory	Address Not Listed In Research Source
1980	-	Polk's City Directory	Address Not Listed In Research Source
1975	-	Polk's City Directory	Address Not Listed In Research Source
1970	-	Polk's City Directory	Address Not Listed In Research Source
1966	-	Polk's City Directory	Address Not Listed In Research Source
1961	-	Polk's City Directory	Address Not Listed In Research Source
1956	-	Polk's City Directory	Address Not Listed In Research Source
1951	-	Polk's City Directory	Address Not Listed In Research Source
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Address Not Listed In Research Source
1919	-	Polk's City Directory	Address Not Listed In Research Source
1914	-	Polk's City Directory	Address Not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source

Martin Avenue SE

2438 Martin Avenue SE

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A23	Polk's City Directory	
2006	pg. A24	Polk's City Directory	
2001	pg. A25	Polk's City Directory	
1995	pg. A26	Polk's City Directory	
1990	pg. A27	Polk's City Directory	
1985	pg. A28	Polk's City Directory	
1980	pg. A29	Polk's City Directory	
1975	pg. A30	Polk's City Directory	
1970	pg. A31	Polk's City Directory	
1966	pg. A32	Polk's City Directory	
1961	pg. A33	Polk's City Directory	
1956	pg. A34	Polk's City Directory	
1951	-	Polk's City Directory	Address Not Listed In Research Source
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Address Not Listed In Research Source
1919	-	Polk's City Directory	Address Not Listed In Research Source
1914	-	Polk's City Directory	Address Not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source

2440 Martin Avenue SE			
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A23	Polk's City Directory	
2006	pg. A24	Polk's City Directory	
2001	pg. A25	Polk's City Directory	
1995	pg. A26	Polk's City Directory	
1990	pg. A27	Polk's City Directory	
1985	pg. A28	Polk's City Directory	
1980	-	Polk's City Directory	Address Not Listed In Research Source
1975	-	Polk's City Directory	Address Not Listed In Research Source
1970	-	Polk's City Directory	Address Not Listed In Research Source
1966	-	Polk's City Directory	Address Not Listed In Research Source
1961	-	Polk's City Directory	Address Not Listed In Research Source
1956	-	Polk's City Directory	Address Not Listed In Research Source
1951	-	Polk's City Directory	Address Not Listed In Research Source
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Address Not Listed In Research Source
1919	-	Polk's City Directory	Address Not Listed In Research Source
1914	-	Polk's City Directory	Address Not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source

Mulford Drive SE

725 Mulford Drive SE

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
2011	pg. A35	Polk's City Directory
2006	pg. A36	Polk's City Directory
2001	pg. A37	Polk's City Directory

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1995	pg. A38	Polk's City Directory	
1990	pg. A39	Polk's City Directory	
1985	pg. A40	Polk's City Directory	
1980	pg. A41	Polk's City Directory	
1975	pg. A42	Polk's City Directory	
1970	pg. A44	Polk's City Directory	
1966	pg. A45	Polk's City Directory	
1961	pg. A46	Polk's City Directory	
1956	pg. A47	Polk's City Directory	
1951	pg. A48	Polk's City Directory	
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Street not Listed In Research Source
1919	-	Polk's City Directory	Street not Listed In Research Source
1914	-	Polk's City Directory	Street not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source
729 Mulford Drive SE			
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A35	Polk's City Directory	
2006	pg. A36	Polk's City Directory	
2001	pg. A37	Polk's City Directory	
1995	pg. A38	Polk's City Directory	
1990	pg. A39	Polk's City Directory	
1985	pg. A40	Polk's City Directory	
1980	pg. A41	Polk's City Directory	
1975	pg. A43	Polk's City Directory	
1970	pg. A44	Polk's City Directory	
1966	pg. A45	Polk's City Directory	
1961	pg. A46	Polk's City Directory	
1956	pg. A47	Polk's City Directory	
1951	pg. A48	Polk's City Directory	
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Street not Listed In Research Source
1919	-	Polk's City Directory	Street not Listed In Research Source
1914	-	Polk's City Directory	Street not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source
735 Mulford Drive SE			
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A35	Polk's City Directory	
2006	pg. A36	Polk's City Directory	
2001	pg. A37	Polk's City Directory	
1995	pg. A38	Polk's City Directory	
1990	pg. A39	Polk's City Directory	
1985	pg. A40	Polk's City Directory	
1980	pg. A41	Polk's City Directory	
1975	pg. A43	Polk's City Directory	
1970	pg. A44	Polk's City Directory	
1966	pg. A45	Polk's City Directory	
1961	pg. A46	Polk's City Directory	
1956	pg. A47	Polk's City Directory	
1951	pg. A48	Polk's City Directory	
1946	-	Polk's City Directory	Address Not Listed In Research Source
1941	-	Polk's City Directory	Address Not Listed In Research Source
1936	-	Polk's City Directory	Address Not Listed In Research Source
1932	-	Polk's City Directory	Address Not Listed In Research Source
1928	-	Polk's City Directory	Address Not Listed In Research Source
1923	-	Polk's City Directory	Street not Listed In Research Source
1919	-	Polk's City Directory	Street not Listed In Research Source
1914	-	Polk's City Directory	Street not Listed In Research Source
1909	-	Polk's City Directory	Street not Listed In Research Source
1905	-	Polk's City Directory	Street not Listed In Research Source

City Directory Images

Street:
Eastern Avenue SE

Year
2011

TP
✓

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

EASTERN AVE SE	
EASTERN AVE SE Cont'd	
▲	BELLABAY REALTY real estate
52-3453	.....616-245-7220
hela K	2445 CHASE banks .....616-235-2955
41-6871	2456 FIFTH THIRD BANK banks
	.....616-771-5760
	2457 Patterson Pamela S [21] ▲
	.....616-245-5643
+ MULFORD DR SE INTERSECTS	
• ZIP CODE 49507 CAR-RT C076	
	2509 Goedken Charles L & Libby H [12] ▲
	.....616-475-7707
	2515 Bair Kimberly N [2]
	Lago Kimberly N [4] ▲
1 ▲	2519 Wing Linda M [24] ▲
16-1357	2525 Foerg Thomas R & Karen N [13] ▲
	2529 Johnson Vernetta S [6] ▲
2-9373	.....616-475-0394
▲	Johnson N .....616-475-0394
5-0472	2530 TABERNACLE COMMUNITY
	CHURCH churches ..616-988-9268
	2533 ① Nylen Tina M
	Robert Tina M & Mark S [23] ▲
	.....616-241-6689
	2541 Garcia Aurora [2] ▲ ..616-475-0050
	2550 HEARTS IN STEP CHRISTIAN
	DANCE dance companies
	.....616-245-9501
3 ▲	2551 1 Schadenberg Wesley V [7] ▲
1-1931	.....616-532-3347
	2 ① Kenyon Erin J
	2555 Holton Samuel A & Katherine M [4]
	▲616-452-9243
+ MAYHEW WOOD DR SE BEGINS	
	2561 Case Patrick L & Heather M [10] ▲

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	2011	-	✓	Polk's City Directory

Eastern Avenue SE

	retail	616-245-7021	2715 Holberg
	2408 ALGER HARDWARE & RENTAL		2721 Glupke
	hardware-retail	616-243-9730	.....
0-3880	2413 RYAN & HART PARTY STORE		2725 Smith
	liquors-retail	616-243-5982	2731 Bivins
	2417 Karaein Emad K @		@ Pas
	1 MIDDLE EASTERN MARKET		+ EVERGLAD
	grocers-retail	616-245-2046	2740 2 FRIE
	2419 REAL FOOD CAFE LLC restaurant		dentist
	mgmt	616-241-4080	3 NYK
-4175	2420 KEN'S FRUIT MARKET fruits &		dentist
-4175	vegetables & produce		4 SOP
	.....	616-245-7040	chiro
	2421 FEEL THE KNEAD massage		4 Sope
	therapists	616-443-4890	5 OPE
	2422 ALGER HEIGHTS BARBER &		LEARI
	STYLING barbers	616-243-2697	....
	2423 JON T DANCE ARTS CTR dancing		2743 Moore
6491	instruction	616-245-7333	+ EVERGLAD
	2424 POSH PET DOG & CAT SALON		+ 28TH ST SE
	pet washing & grooming		+ 28TH ST SE
	.....	616-719-4412	• ZIP CODE 4
9049	2426 BEAUTY HOUSE cosmetics &		2831 OASIS
9049	perfumes-retail	616-245-1060	therap
	2429 HAIR BY JODIE beauty salons		2838 MART
	.....	616-452-3337	clean
0311	2430 CHASE banks	616-771-7013	UPTO
]	2431 J B PIZZA PARLOR pizza		LNDR
1019	.....	616-988-6270	2842 1 FAR
	VIDEO MASTER video games-		insur
	renting & lease	616-245-9813	1 GRE
	2434 CREATIVE WINDOW		insur
	TREATMENTS INC draperies &		2 CUT
	curtains	616-247-4771	....
016	2435 ABI INSURANCE GROUP		2844 LINE-
	insurance	616-452-7850	coatir
434	ACCURATE REPAIR SVC LLC		...
434	appliances- household-major-rpr		+ BROOKVIL
	.....	616-455-1810	

or Polk City Directories @ www.citydirectory.com

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	2006	-	✓	Polk's City Directory

Eastern Avenue SE				
	Insurance	616-243-0199		marriage
17-0481	BRO-TEC food brokers			.....
	.....	616-248-0002		Rodrigue
18-9049	NORTHERN RESERVE			[21]▲ ..
	MARKETING marketing programs		2707 Dehoog	
3-3796	& serv	616-241-2860		.....
	2422 ALGER HEIGHTS BARBER &		+ WALSH ST SE	
8-0311	STYLING barbers	616-243-2697		2715 Holberg
[32]	2423 JON T DANCE ARTS CTR dancing			.....
7-1019	instruction	616-245-7333		2721 Glupker
	2424 EXCELLO MACHINE CO INC			.....
	printing equip	616-949-1861		2725 Ludema
	2426 M & M BEAUTY FASHION			.....
	cosmetics & perfumes-retail		2731 Bivins V	
[23]▲	.....	616-245-3485		.....
J	2429 C HAIR BY JODI beauty salons		+ EVERGLADE	
1-2016	.....	616-452-3337		2740 GATEW
	2430 BANK ONE banks	616-771-7013		PROGR
2-9434	2431 J B'S PIZZA PARLOR pizza			.....
	.....	616-452-1022		Soper L
	Ⓝ Ryans James ▲			TIKVAH
2-3453	VIDEO MASTER video games-			marriage
2-3453	renting & lease	616-245-9813		.....
la K	2434 CREATIVE WINDOW			2 FRIES
-6871	TREATMENTS INC venetian			dentists
	blinds- retail	616-247-4771		3 NYKA
-0002	2435 ACCURATE REPAIR SVC LLC			dentists
	appliances- household-major-rpr			4 SOPE
	.....	616-455-1810		chiropr
es)	STATE FARM INSURANCE		2743 Moore	
	insurance	616-245-1958		+ EVERGLADE
	101 ALLSTATE INSURANCE CO			+ 28TH ST SE
	insurance	616-243-7478		+ 28TH ST SE
	101 Collndres Linda A [11]▲			• ZIP CODE 49
1357	202 DIANA RODRIGUEZ REALTY			2833 INTERI
	& ASSOC real estate			COSM
9373	.....	616-243-2879		.....
	202 Rodriguez Diana C [9]			⑦ Shie
0472	.....	616-241-2475		.....
	2456 FIFTH THIRD BANK banks		2838 ONE H	
	.....	616-771-5760		cleaner
6541	2457 Patterson Pamela S [16]▲			UPTOV
				LNDRY

er Polk City Directories @ www.citydirectory.com

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	2001	✓	✓	Polk's City Directory

Eastern Avenue SE

		PHARMACY drug stores		
	2427	J & J FISH caterer	241-4635	TIKVAH
	2429	MITCHELLS FREDERICK HAIR	452-5711	individu
		IMAGES hairdressers	452-3337	
8-0368		PRECISION STAFFING		2743 Not Ver
				2757 COMPU
	2430	BANK ONE N A bank	245-5288	E & G
		N B D BANK	771-7013	
	2431	VIDEO MASTER COPORATION		GILMA
		video tape rntl	245-9813	GRAN
	2433	J B'S PIZZA eating places		
			452-1022	MASO
2-9373	2434	JURGENS & HOLTVLUWER MENS		
		STORE men'boys clothg stores		WIREL
5-7534	2435	ACCURATE REPAIR SERVICE	245-4129	manicu
		stove repr shop	455-1810	+ 28TH ST S
		ALLSTATE INSURANCE		. ZIP CODE
7-6541		COMPANY	243-1721	2831 SLOBE
7-6541		APPLIANCE DOCTOR electl repr		real es
3-0906		shops	868-7600	2833 ANSCH
3-0557		MAC-CLAIR MORTGAGE		instaln
			245-9057	DAVIS
		RODRIGUEZ DIANA INSURANCE		COVER
		insurance agts brokers		
3-1517			241-2475	2838 ONE H
3-1517	2445	BESTROM VENDING & CATERING		GRAN
		coffee	224-6090	laundr
	2457	Patterson Pamela S		2839 GRAN
			245-5643	FELL
1-0413		+ MULFORD DR SE INTERSECTS		ch.....
	2509	Dennis D S	245-6611	SOUN
3-9396	2515	Labarge Dorothy A		tv'elect
			245-0208	2842 AGAPE
7-5695	2519	Wing Linda M		mobile
	2520	CHRISTIAN LEARNING CENTER		KOVE
		priv spl educ sch	245-8388	agts b
3-1132		C L C DIRECT LINE WORK		
3-1132		SOLUTIONS	457-4855	SIMON
3-1467	2525	Foerg Karen N	245-2055	ins ag
		Foerg Thomas R	245-2055	
	2529	Not Verified		Q Taq
		+ NEVADA ST SE BEGINS		TAQU
agts	2533	Nylen Tim M	241-6689	
1-0554		Nylen Tina M	241-6689	2843 AYOTT
RY	2541	Nguyen Aivi S		photo
		Nguyen Sandy		FAR
1-2316	2550	SEYMOUR CHRISTIAN SCHOOL		STUD
		elementary'secondary s		2844 HUB C
1-2316			245-6375	
		GRAND RAPIDS CHRISTIAN		+ LARAWAY
		SCHOOL ASSN SYMP		+ BROOKVIL

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1995	-	✓	Polk's City Directory

Eastern Avenue SE

	2420 FULTON HEIGHTS MARKET	248-3777	2843 PHO
241-3325	2421 DRAPERY DESIGNS	248-3777	FAP
245-2636	2422 ALGER HEIGHTS BARBER SHOP		.....
245-2636	.....	243-2697	PHO
	2423 JON T DANCE ARTS CENTER		TOV
	.....	245-7333	.....
247-4948	2424 DE MAAR AGENCY Ins	241-5476	2844 NAF
247-4948	2424½ DE BOER RICHARD REALTOR		part
	.....	241-0802	+ LARAW
	2426 MODERN PHARMACY	241-4635	+ BROOK
	2427 Vacant		2911 SIC
da	2429 WINTHER HAIR DESIGN	241-4468	2913 RAI
241-6925	2430 N B D BANK N A	771-7013	mas
	2431 VIDEO MASTER video movie sls & ret		2910 HOT
	.....	245-9813	2915 CLE
245-4175	2433 Vacant		.....
245-4175	2433 WHISPERING NEEDLES INC quilting		2920 AUT
245-4175	.....	245-4647	2931 CAP
245-4175	2434 JURGENS & HOLTVLUWER MEN'S		3000 OLD
245-4175	STORE	245-4129	3003 AMS
243-3937	2435 EASTERN AVENUE BLDG		3013 Not
	Rooms		3030 DAV
245-9650	101 Vacant		CEN
	103 HAIR & SKIN CLINIC	241-1700	DAV
	201 STATE FARM INSURANCE real		CEN
243-9511	est	245-1958	3034 Vac
	202 ADVANCE AUDIOLOGY hearing		3036 INTI
	testing	243-1555	.....
243-3796	203 AMERICAN PROPERTY		3038 Jabl
	MANAGEMENT real est ..	243-2863	Jabl
▲	203 ACCURATE REPAIR SERVICE		Jabl
	household appliance repr	455-1810	3040 Blo
247-1019	2437 N D B GRAND RAPIDS DRIVE-THRU		3042 Bar
☎+ ▲	.....	771-7420	3043 Vac
243-3702	2457 Patterson P ☎	245-5643	3045 Not
	+ MULFORD DR SE INTERSECTS		3055 HUI
	2509 Dennis Dorothy S ☎+ ▲	245-6611	GRE
	Dennis Henry A	245-6611	3056 G H
	2515 La Barge Dorothy A ☎+ ▲	245-0208	MIC
☎+ ▲	2519 Wing Linda ☎ ▲		auto
241-2730	2520 CHRISTIAN LEARNING CENTER spec		+ KEN-O-
241-2730	educ sch (ofc)	245-8388	INTERSE
241-3924	2525 Korhorn Evelyn D ☎+ ▲	452-1643	3111 Hulz
	2529 Martin Darryl & Pamela ▲	243-6618	.....
247-6523	2533 Not Verified		3112 DE
241-1902	2541 Nguyen Al Vi ☎ ▲		flori
	2550 SEYMOUR CHRISTIAN SCHOOL		De
	.....	245-6376	.....
	2551 Ling Joyce L ☎+ ▲	452-8398	De
245-0911	Schwartz Timothy & Cathy ☎ ..	247-8802	3125 Hulz
245-0911	2555 Wyman Randall S & Sherry ☎ ▲		.....
☎+ ▲	.....	247-8812	3130 EXE
452-9373	+ MAYHEW WOOD DR SE INTERSECTS		turn

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1990	-	✓	Polk's City Directory

Eastern Avenue SE

<div> <div>6638 Cascade Rd. S.E., Grand Rapids, Mich. 49506, USA Copyright© 1966 Theodore R.Grevers</div> </div>		
EASTERN AV SE-Contd		LAR
2435 Eastern Avenue Bldg		BRO
Rooms		2911 S
101a Allen Health Care	243-4400	2909 A
202 Advance Audiology hearing testing		2910 H
243-1555		2911 S
203 First Central Mtge Corp	245-1180	2991 V
2437 N D B Grand Rapids Drive-Thru		3000 O
451-7420		
2457 Beckner Dale R ©	452-2901	3003 A
MULFORD DR SE INTERSECTS		3013 I
2509 Dennis Dorothy S ©	245-6611	2
2515 La Barge Dorothy A Mrs ©	245-0208	3030 D
2519 Wing Linda ©		2
2525 Korhorn Martin ©	452-1643	D
NEVADA ST SE BEGINS		(
2529 Dubay David ©		3036 In
2533★Miller Julie	245-4523	2
2541 Vacant		3038 De
2550 Seymour Christian School	245-6375	3040 Bl
2551 Ling Joyce L ©	452-8398	3045 Ri
2555★Wyman Randall S ©	247-6812	3055 Hu
MAYHEW WOOD DR SE BEGINS		2
2561 Malda Daniel J ©	452-6632	3056 G
BILLANNTAU ENDS		A
2606 Breuker Glen P	245-0038	KEN-
2610 Foley M E ©	241-4402	BEGIN
2617 Farrell Robt E ©	245-0969	3111 Hu
2618★Johnson Steve L ©	245-9083	3112 De
2623 Grinnwald Katherine Mrs ©		4
241-4237		De
2624 Carey Michl J ©	243-2916	3125 Hu
2629 Van Tongeren Thos A ©	241-2723	3130 Ex
REYNARD ST SE INTERSECTS		2
2633★Le Dam	452-7679	3140 De
2636 Green David ©	452-7484	3181 Br
2640 Marshall E Edw ©	243-2454	32D B
2644 Newett Ruth V Mrs ©	452-7101	(FOR
2648 Ray Steven P ©	243-3742	DIREC
2652★Bowen Loyd		3206 Bet
Bowen Julie Mrs		3210 Act
2655 Alger Park Christian Reformed		
2655 Church		

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1985	-	✓	Polk's City Directory

Eastern Avenue SE

203 Allstate Chemical Cln serv	Donzel
243-6574	Friesw
203 Clark's Janitorial cln serv	Ny Ka
243-6574	Saint I
204&5 W D A Investigative Agency	Wells
Inc 243-6588	2743 Westov
208 Vacant	2757 Kazma
2419 Baskin-Robbins 31 Ice Cream Store	Kazma
245-0140	Lawsor
2420 Boorsma Foods Inc 243-7781	243-28
2421 De Vries Travel Agency 452-5171	Farme
2422 Alger Heights Barber Shop 243-2697	Other
2423 Hannah Floral Co 245-0413	typing
2424 De Maar Agency ins 241-5476	Bird P
2424½ De Boer Richard Realtor 241-0802	241-54
2426 Alger Variety Store Inc 243-7994	Amport
2427 Domino's Pizza 247-1777	Clay's
2429 Winther Beauty Salon 241-4468	Clay G
2430 Union Bank & Trust Co N A (Br)	Credit
451-7013	
2431 Sew What Fabrics 245-0834	
2433 Schriber Don Agency Inc ins 245-8755	28TH INT
2434 Jurgens & Holtvluwer Men's Store	ZIP CODE
245-4129	2831 Slobey
2435 Eastern Ave Bldg	2833 Bil-Mar
ROOMS	2838 One Hc
101a American Property Mangement	2839 Vacant
Corp 243-2863	2842 Ford R
101a Central Property Sales Inc	2843 Town &
243-2863	2844 Mc Cau
103 North American Underwriters ins	parts
243-3421	2847 Bolthou
103 Captain Dinner Club The discount	LARAWAY
dinner card 243-3421	BROOKVII
103 Sports Promotions Inc 243-3421	2911 Sicily's
202 Answer All Answering Service	2909 Seven-E
245-9550	245-871
203 Tender Care Nursing Service Inc	2911 Seven-E
243-9056	2991 Bolthou
2437 Union Bank & Trust Drive-Thru	3000 Old Ker
451-7420	774-575
2457 Beckner Dale R © 452-2901	3001 Van Ee
MULFORD DR INTERSECTS	3003 Amsterd
2509 Dennis Dorothy S © 245-6611	101a Ty
2515 La Barge Dorothy A Mrs © 245-0208	102a★C
2519 Geary John R ©	103a★M
2525 Korhorn Martin © 452-1643	104a Va
NEVADA BEGINS	105a No
2529 Dubay Michl J ©	106a No

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1980	-	✓	Polk's City Directory

Eastern Avenue SE

	2422 Alger Heights Barber Shop 243-2697
	2423 Hannah Floral Co florist 245-0413
	2424 De Maar Agency ins 241-5476
	2424 1/2 De Boer Richard Realtor 241-0802
5778	2426 Alger Variety Store 243-7994
	2427 Drapery Shop-Ryan's The 245-5546
43	2429 Winther Beauty Salon 241-4468
02	2430 Union Bank & Trust Co N A (Br) 451-7013
	2431 Fenstermacher's Fabric Shops dyr goods-retail 245-9101
	2434 Jurgens & Holtvluwer Men's & Boys' Store 245-4129
	2435 Eastern Ave Bldg ROOMS
30	101a Arnold Knoll Associates steel sls 452-5949
-2114	101a Alkema Larry & Assoc mfrs rep 245-7921
	101b Van Dyke Roger L c p a 243-0271
	103a Sports Promotions Inc 243-3421
	201 Central Property real est sls & management 243-2863
	Travel Host Magazine 452-9466
73	202 Tremore & Assocs structural eng 245-2164
11	2447 Union Bank & Trust Drive-Thru 451-7420
	2457 Lewis Joan G © 245-2644
	MULFORD DR INTERSECTS
	2509 Dennis Dorothy S ©
	2515 La Barge Wm G © 245-0208
	2519 Geary John R ©
7	2525 Korhorn Martin © GL2-1643
	NEVADA BEGINS
	2529★Grucz Geo E ©
	2533 Granger Roger D © 243-3177
	2541 Vacant
	2550 Seymour Christian School CH5-6375
	2551★Ling Joyce L ©
	2555★Kraus John G 452-7317
	MAYHEW WOOD BEGINS
	2561 Schipper James W © 245-9754
	BILLANNTAU ENDS

RECAPITULATE YOUR
HOME OR OFFICE

4046 Lake Michigan Dr. N.W.

Grand Rapids, Mi. 49504

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1975	-	✓	Polk's City Directory

Eastern Avenue SE

245-7921
208 Solar Screw Corp 452-2493
8 2419 Sherrymark Shop maternity clo
243-0913
702 2420 Boorsma Foods gro CH3-7781
2421 Liberty Loan Corporation Of Leonard
241-2476
2422 Alger Heights Barber Shop 243-2697
2423 Hannah Floral Co florist 245-0413
2424 De Maar Agency ins 241-5476
5 2424½ De Boer Richard Realtor 241-0802
2426 Alger Variety Store 243-7994
730 2427 Drapery Shop The 245-5546
3-2114 2429 Winther Beauty Salon 241-4468
2430 Union Bank & Trust Co N A (Br)
451-7013
2431 Fenstemacher's Fabric Shops 245-9101
2434 Jurgens & Holtvluwer Men's & Boys'
Store CH5-4129
903 2435 Omega Bldg
De Vries Travel Agency 452-5171
73 Advertising Design design studios
241-4992
2457 Knappen Grace A Mrs © CH5-9750
MULFORD DR INTERSECTS
8023 2509 Pell Raymond L © CH3-4227
2515 La Barge Wm G © 245-0208
2519 Demond Vivern R © 452-9254
2525 Korhorn Martin © GL2-1643
NEVADA BEGINS
2529 Martin Richd A 452-5469
2533 Granger Roger D 243-3177
2541 Finch Robt L © CH1-1278
40 2550 Seymour Christian School CH5-6375
2551★Westra Terry 245-5140
★Allanson Louise S E
★Kazssi Donna
2555 Vander Meer Cornelius B ©
CH3-3819
MAYHEW WOOD BEGINS
2561 Helder Harry M © CH3-4944
BILLANNTAU ENDS
2606 Hawley John ©
2610 Bosscher John F ©
2617 Zonder Marian S Mrs 245-4581

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1970	✓	✓	Polk's City Directory

Eastern Avenue SE

241-2476

2422 Alger Heights Barber Shop 243-2697

2422½ De Maar Agency 241-5476

2423 Uptown Cleaners & Hatters Inc (br)
CH3-0245

Drapery Shop The 245-5546

2426 Alger Variety Store 243-7994

2427 Magnan's Color Center paints
GL2-3917

2429 Winther Beauty Salon 241-4468

Rear Vacant

2430 Union Bank & Trust Co Na (Br)
451-7013

2431 Fenstemacher's Fabric Shops 245-9101
Long Dora B Mrs

2434 Jurgens & Holtvlumer Men's & Boys'
Store CH5-4129

2435 Texer & Groendyke Co food brokers
452-8771

De Vries Travel Agency 452-6996

Doyle John L phys 245-1119

De Boer Arth F phys 452-6976

2445 Wishing Well Floral CH3-2056

2457 Knappen Grace A Mrs © CH5-9750

MULFORD DR INTERSECTS

2509 Pell Raymond L © CH3-4227

2515 La Barge Wm G © 245-0208

2519 Demond Vivern R © 452-9254

2525 Korhorn Martin © GL2-1643

NEVADA BEGINS

2529 Cress Jon D 452-7694

2533 Deemter Helen Mrs © CH3-1609

2541 Finch Robt L © CH1-1278

2550 Seymour Christian School CH5-6375

2551 Student Residence

2555 Vander Meer Cornelius B ©
CH3-3819

MAYHEW WOOD BEGINS

2561 Helder Harry M © CH3-4944

BILLANNTAU ENDS

2606 Hawley John ©

2610 Bosscher John F © 245-0276

Street:
Eastern Avenue SE

Year
1966

TP
✓

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

	2426	ALGER VARIETY STORE VARIETY STORE 243-7994
	2427	FORD PAINT & COLOR CENTER GL2-3917
	2429	WINTHER BEAUTY SALON 241-4468 UNION CARBIDE CHEMICAL CO 245-1874
58		REAR STATE INSURANCE AGENCY 245-7348
	2430	UNION BANK & TRUST CO (BR) CH1-3666
517	2431	FENSTEMACHER'S FABRIC SHOPPS CH3-7915 LONG DORA MRS
	2434	JURGENS & HOLTVLUWER MEN'S & BOY'S STORE CH5-4129
	2435	OMEGA CONSTRUCTION CO BLDG CONTRS CH1-5667 DE VRIES TRAVEL AGENCY 452-6996 DOYLE JOHN L PHYS 245-1119 SHARDA MARTIN PHYS 452-6976 DEBOER ARTH F PHYS 452-6976
	2445	WISHING WELL FLORAL CH3-2056
	2457	KNAPPEN GRACE A MRS • CH5-9750
5E		---MULFORD DR INTERSECTS
	2509	PELL RAYMOND L • CH3-4227
	2515	VAN DE KOPPLE RICH D J • CH5-4601
	2519	PHILLIPS JENNIE MRS • 245-1086
	2525	KORHORN MARTIN • GL2-1643
5T		---NEVADA BEGINS
	2529	AMOR ROBT H 243-9751
	2533	DEEMTER MARTIN • CH3-1609
	2541	FINCH ROBT L • CH1-1278
	2550	SEYMOUR CHRISTIAN SCHOOL CH5-6375
	2551	BRASSER DENNIS L 243-8517
58	2555	VANDER MEER CORNELIUS B • CH3-3819
5ON		---MAYHEW WOOD BEGINS
57	2561	RYDELL MARY MRS • GL2-2037
		---BILLANNTAU ENDS
	2606	HAWLEY JOHN •
	2610	TUITEL PETER • 243-5163

MUSKEGON

733 Wealthy S.E.

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1961	✓	✓	Polk's City Directory

Eastern Avenue SE	
roll @	ALiberty Finance Co
rs	of GR Inc (br)
	2422ΔAlger Heights Barber
	Shop
	ΔMartin Geraldine Mrs
ds	beauty shop
held	2422½ΔAlger Bike Shop
s	2423ΔUptown Cleaners &
Neal	Hatters Inc (br)
	2426ΔJolly Stores (br)
	2427ΔFord Paint & Varnish
G	Co
dentist	2429ΔWorst Shoe Store
dentist	2430ΔUnion Bank and
A acct	Trust Co (br)
ptom	2431ΔAlger Heights Dept
	Store
ger	2434ΔJurgens and Holtvlu-
v gas	wer Men's and
	Boys' Store
rv gas	2435ΔOmega Constn Co
	bldg contrs
ects	2445ΔWishing Well Floral
Duthler	2457ΔKnappen Grace A
	Mrs ©
phys	Mulford dr inter-
annes	sects
Store	2509ΔPell Raymond L ©
rs	2515ΔVan deKopple Richd. J
clock	©
	2519ΔHanline Arth J
Radio &	2525ΔKorhorn Martin ©
	Nevada begins
	2529ΔStorjohann Guenter
	2533ΔDeemter Martin ©
cons	2541ΔFinch Robt L ©
	2550ΔSeymour Christian
ng At	School
ions	2551ΔVandenBerge Phillip R
d chil-	ΔDowns Harry L
	Ezinga Chas

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1956	✓	✓	Polk's City Directory

Eastern Avenue SE	
2417Δ Polly-Anna Pastry Kitchen (br) bakers	2725Δ
2417Δ Modern Pharmacy The	2731Δ
2420Δ Boorsma Quality Foods gro	2743Δ
2422 Alger Heights Barber Shop	2757Δ
Δ Martin Geraldine Mrs beauty shop	2808Δ
2426Δ Jolly Stores 5¢ to \$1.00	2833Δ
2431Δ Omega Constn Co bldg contrs	2835Δ
2434Δ Jurgens and Holtvluwer Men's and Boys' Stores	2837(re
2445Δ Wishing Well Floral	2839 M
2457Δ Knappen Grace A Mrs ©	2842Δ L
2509Δ Pell Raymond L ©	2843Δ T
2515Δ Van deKopple Richd J ©	2844Δ S
2519Δ Berdan Edna K Mrs ©	2845Δ K
2525Δ Korhorn Martin © Nevada begins	2847Δ B
2529Δ Veenstra Sidney J ©	2850Δ B
2533Δ Deemster Martin ©	2915Δ H
2541Δ Finch Robt L ©	3001Δ V
2550Δ Seymour Christian Sch	3010Δ D
2551Δ Prins Tunis © Δ Dipp Evelyn	Δ Na
2555Δ Van derMeer Cornelius B ©	3013Δ D
2561Δ Rydell Ernest A © Mayhew Wood	3035Δ V
	3038Δ D

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1951	✓	✓	Polk's City Directory

Eastern Avenue SE				
intersects	2351	Alger Heights Super Service gasoline sta	3220	Gr
	2355	Hanna J Sherman © florist	3240	Gr
		Alger Intersects	rear	Pl
	2100	Simerink & Duthler Realtors	3300	M
dentist		Martin Geraldine D Mrs beauty shop	rear	M
		Mare Fredk W dentist	3339	Va
phys	2406	DeWaard Jewelers	3341	Va
intersects	2407	Tiny Tot Toggery children's clo	3353	Se
sta	2408	Alger Heights Hardware	3408	Lu
Stores		Post Office Sub Sta No 12	Alu	
	2409	Dozeman Realty Co	3417	Ke
	2410	Alger Heights 5c to \$1.00 Store	ADr	
on (br)		Larsen Harold barber	3425	Ja
et gros	2412	Polly-Anna Pastry Kitchen (br) bakers	Res	
ery	2413	Alger Produce Market	3450	Re
e cream	2416	Kugel's Drug Store	Re	
ar	2419	Kramer Henry © mkt gdnr	3526	Bu
er	2420	Mersman's Foodtown gros		
	2427	Kramer Peter ©	3610	Ka
	2430	Broersma Perrine W Mrs ©	3650	Ka
re	2431	Doornbos Henry © pntr	3665	Eas
	2445	Lindhout John D greenhouse	ACor	
	2457	Knappen Bert E ©	3730	Wo
	2509	Pell Raymond L ©	3731	Bu
24	2515	VandeKopple Richd J ©	3732	Bu
tersects	2519	Berdan Edna K Mrs ©	3733	Do
ep	2525	Korhorn Martin ©	3745	Pot
k Store		Nevada begins	3747	Del
	2529	Veenstra Sidney ©	3751	Ols
	2533	Deemter Martin ©	3757	Bol
our br)	2540	Seymour Christian School		
er Mar-	2541	Finch Robt L ©	3921	Sch
	2551	Prins Tunis ©	3925	Va
r)		Yonkers Jean M	3929	Reg
ating &	2555	Boone Wm J ©	rear	Kos
Supply	2561	Rydell Ernest A ©	3940	Del
		Mayhew Wood begins	3941	Nle
begins		Billannatau begins	3961	Mill
	2606	Niswonger Eug F	3967	Wie
	2610	Johnson Hilda A Mrs ©	3971	The
	2617	Metcalf Floyd L ©	4000	Van
	2618	Brady Leslie H ©	4022	Bea
oultry	2624	Bouwer John © pntr	4027	Bar
	2629	Under construction	4030	Phil
begins		Reynard begins	4055	Vac
©	2636	Klyn Clarence R ©	4060	DeH
	2640	Samrick Harry H ©		

Street:
Eastern Avenue SE

Year
1946

TP
-

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

ard begins	2234△Crowell Wayne E ⑥
	2239△Atman Albert ⑥ bldg contr
	2240△Stites Reuben M ⑥
	2243 Vacant
	2246 Vacant
	2248△Baker Nicholas ⑥
	2249△Minnema Harry H mason
	contr
Intersects	2251 VanButselaar Johanna ⑥
	Doming ends
	2300△Harmon Hobart H ⑥
	2301△Hondorp Gerhard K ⑥
	2306△Fluger Chas J ⑥
	Edna begins
	2312△DeLany Raymond B ⑥
	2318△Dys Gysbert ⑥ mkt gdnr
	Griswold ends
	2341 Bowers Chas A ⑥
	2342 Norris John V ⑥
	2348△Cook Peter C ⑥
	△Brumels Grace Mrs
	2355△Hanna Sherman ⑥ florist
	Alger intersects
	2402△Senna Edgar J
	2419△Kramer Henry ⑥ mkt gdnr
	2427△Kramer Peter ⑥ mkt gdnr
	2430△Broersma Perrine Mrs ⑥
	2431△Doornbos Henry ⑥ pntr
	2433 Baker Nicholas mkt gdnr
	2506 DeMol John ⑥
	2509△Pell Raymond ⑥
	2515 VandeKopple Richd J
	2519 Hughes Wm F
	Nevada begins
	2533△Deemter Martin ⑥
	2540△Seymour Christian School
	2551△Macauley Annie L Mrs ⑥
	2555 Boone Wm J ⑥
	Mayhew Wood begins
	Billannatau begins
	2606△Loeschner Elmer F ⑥
	2610△Alofs Herman W ⑥
	2617△Metcalf Floyd L ⑥
	2618△Brady Leslie H ⑥
	2624△Bouwer John ⑥ pntr
	Reynard begins
	2636△Klyn Clarence R ⑥

MIERAS QUALITY

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1941	-	✓	Polk's City Directory

Eastern Avenue SE				
gins	2249	△	Minnema Harry H 6 mason contr	34 34
①	2301	△	Hondorp Gerhard K 6 ① Deming ends	34
	2312	△	DeLany Raymond B 2 ① Edna begins	
	2318	△	Dys Gysbert 2 ① mkt gdnr	
			Griswold ends	
ects	2340		VandeKieft Wilmer	350
	2341		Bowers Chas A 2 ①	
	2342	△	Lamse John jr 7 ①	
	2348	△	Cook Peter C 2 ①	ne
	2355	△	Hanna J Sherman 4 ① greenhouse	362
			Alger intersects	366
	2402		DeMol Dirk 2 ①	373
	2419	△	Kramer Henry 2 ① mkt gdnr	373
	2427		Kramer Peter 4 ① mkt gdnr	374
tr	2430	△	Broersma Perrine Mrs 1 ①	374
	2431		Doornbos Henry 5 ①	375
	2506		DeMol John 2 ①	375
	2509	△	Pell Raymond 2	392
	2519		Wells Leslie R 3 ①	392
			Nevada begins	392
			se cor Seymour Christian School	
	2533		DeHaan Andrew 10 ①	394
	2551	△	Macauley Chas B 2 ①	394
	2555	△	Mooiman Harry 5	396
			Mayhew Wood begins	397
			Billannatau begins	
t	2606		Vacant	400
sects	2610	△	Weber Fred G 3	402
	2617	△	Metcalf Floyd L 3	402
	2618	△	Schmidt Herman C 3 ①	403
	2624	△	Bouwer John 5 ① pntr	
			Reynard begins	
	2636	△	Wieringa Wm 7 ①	
	2640	△	Pryor Horace J 2 ①	
			Walsh begins	
Serving Greater Grand Rapids				
Park Lumber & I				

Street:
Eastern Avenue SE

Year
1936

TP
-

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

		Otilia intersects	
	2230	Hannah W Harold Ⓞ	
	2234	Green Chas	
ns	2240	Baker Nicholas mkt gdnr	
	2249	Minnema Harry H mason contr	EBI
		Deming ends	d
		Edna begins	
	2312	McOmber Minnie M Mrs Ⓞ	
	2318	Dys Gysbert Ⓞ mkt gdnr	ECK
		Griswold ends	av
ts	2328	Maurits G John Ⓞ	1209
	2337	Hanna J Sherman florist	1
	2338	Wierenga Wm	
		Alger intersects	EDG
	2402	DeMol Dirk mkt gdnr	Fr
	2419	Kramer Henry Ⓞ mkt gdnr	D
	2427	Kramer Peter Ⓞ	rd
	2430	Broersma Perrine Mrs Ⓞ	501
tr	2431	Doornbos Henry mkt gdnr	519
	2516	DeMol John Ⓞ	530
		Nevada begins	
	se cor	Seymour Christian School	EDG
	2533	Euker Geo W	its
	2551	Macauley Chas B Ⓞ	to
	2555	Tausend Wm H whol beans	Al
		Mayhew Wood begins	
		Billanteau ends	EDG
	2606	Adams Rex M	K
	2610	Boman Thos G	PI
	2617	Musgrove Robt W Ⓞ	wo
		Reynard begins	2009
	2636	Holst Otto J	2012
		Walsh begins	2017
et	2704	Haan Anna Mrs Ⓞ	2018
		Everglade dr begins	2021
ts	2757	Dietrich Louis W	2026
		City limits	2032
		Laraway rd intersects	
	2800	Vacant	2033
	2803	Molesta Minnie Mrs Ⓞ	2034
			2037

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1932	-	✓	Polk's City Directory

Eastern Avenue SE

2220	Boez Albert E	7 A
2221	VanGordon Andrew	8 E
2222	VanGorp Matthew contr	
	Otilia intersects	ECKL
2225	Carpenter Lillias L Mrs	or
2230	Brown Stiles L	1209 E
2234	Vacant	
2240	Baker Nicholas mkt gdnr	EDGE
2249	Minnema Harry H contr	From
	Doming ends	Dura
	Edna begins	rd
	Griswold ends	501 E
		530 C
2316	Vacant	
2318	Dys Gysbert mkt gdnr	EDGEV
2328	Vacant	Its)
2337	Hanna J Sherman florist	to H
2338	Vacant	rd
	Alger intersects	
2402	DeMol Dirk mkt gdnr	EDGEV
2419	Kramer Henry mkt gdnr	Knap
2430	Broersma Perrine Mrs	Plain
	Broersma Lucile C nurse	wood
2431	Doornbos Henry teaming	2009 Pa
	Mulford dr begins	2012 Za
2516	DeMol John	2017 Bo
	Nevada begins	2018 Mo
se cor	Seymour Christian School	2021 So
2533	Vacant	2026 Cr
2550	G R Memorial Park Assn	2032 Va
	Garfield Park Cemetery	2033 We
	(office)	2034 Ka
	Rest Lawn Memorial Park	2037 Br
	(office)	2038 Ma
2551	Macauley Chas B	2041 Te
2555	Tausend Wm H	2042 Ph
	whol beans	2047 Bir
	Mayhew Wood begins	2048 Mu
	Billanteau ends	
2606	Schenck Jay S	2112 Hu
2610	Schroeder Chris W	2113 Va
2617	Vacant	2118 Pov
	Reynard begins	Dol
2636	Leenheer Leonard	2119 Var
	Walsh begins	2122 Mel
2704	Haan Menko S	2125 Ken

Street:
Eastern Avenue SE

Year
1928

TP
-

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

	2222 VanGorp Matthew	
	Otilia intersects	
ends	2225 VanEerden Abel	
begins	2328 Broersma John	
begins	2230 Brown Stiles L	
	2234 Sorenson Jacob contr	
rsects	2240 Baker Nicholas greenhse	
	2249 Minnema Harry contr	
	Deming ends	
	Edna begins	
	Griswold ends	
	2312 Hansen Geo H	
	2318 Dys Gysbert greenhse	
	2328 Boersma John	
	2337 Hanna Sherman J greenhse	
	2338 Peterson Geo	
	2507 Kibben Arth P	
	Alger intersects	
	es DeMol Dirk	
	2430 Broersma Perrine Mrs	
	2431 Doornbos Henry	
	2516 DeMol John	
	cor Seymour Christian School	
	Nevada begins	
begins	Mayhew Wood begins	
ends	Billanntau ends	
begins	2551 MacCauley Chas B	
	2555 Tausend Wm A	
	2610 Schroeder Chris W	
	2617 Frosh Leslie J	
	Reynard begins	
	2636 Vacant	
	Walsh begins	
	2704 Haan Menko S	
	Laraway rd intersects	
	EBNER CT SE—From 838 Shel-	
	don av east	
	7 McKeiver Edw J	
	8 Frans John	
	EDGEWOOD SW (Beyond Lim-	

Source
Polk's City Directory

EDWARD	Griggs ends	Hooker begins
1825	Hannah Geo A contr	353
1832	Bassett Earl W	
1835	Hannah Sarah E Mrs Shurtz Jas P	
1840	VanderWaals Andrew J	
1853	Keegstra Sybe	
rear	Venema Geo	
1861	Reed & Wiley market gardeners	
	Elliott Weaver Burton	
2007	Sullivan Wm	
2109	Hannah Wilfred S	
2213	Goebel Frank	
2221	VanEerden Andrew	
2225	VanEerden Abel	
2234	Ruthven Edwin	
2240	Baker Nicholas greenhouse	
2312	Coleman Obadiah P	
2318	Dys Gysbert green- house	
2328	Koning Cornelius	
2337	Hanna Maurice S	
2338	Castle Walter C	
	Alger	
EATON PL, NW — Name changed to John Ball Park Drive		
EBNER CT, SE — From 838 Sheldon av east 7 McKeiver Wm A 8 Frans John		
EDGE GROVE, SE — Now continuation of Griggs		

Street:
Eastern Avenue SE

Year
1919

TP
-

Adjoining
✓

Source
Polk's City Directory

Eastern Avenue SE

(1919) R. L. POLK & CO.'S		
2312 Coleman Obadiah P	EIGHTH	
2318 Dys Gysbert	Front	
2328 Koning Cornelius	way a	
2337 Hanna Mary A Mrs	av we	
2338 Castle Walter C	first	
Alger	308 Ell	
_____	Py	
EATON PL, NW — Name	309 Jee	
changed to John Ball	Ple	
Park Drive	311 Jev	
_____	312 Gil	
EBNER CT, SE — From	314 Su	
Sheldon av east, first	Coc	
south of Franklin		
7 McKeiver Frances	331 Lor	
8 Frans John	333 For	
_____	335 Sh	
EDGEGROVE, SE—Now	336 Dr	
continuation of Griggs	337 Ba	
SE	340 Sal	
_____	341 Be	
EDGEWOOD AV, NE—	408 Col	
From Knapp north, first	409 Coc	
east of Plainfield av	411 Big	
2010 Cronk Wm F	414 Jor	
Graceland av	415 Ka	
2109 VanderMolen Carl F	Not	
2110 Hunsberger Roy R	416 Wa	
2116 Reuhland Wm S	418 Vac	
2121 Rosset Fred H	419 For	
Eleanor av	Wr	

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Eastern Avenue SE	1914	-	✓	Polk's City Directory

Eastern Avenue SE

ware Co	Turner
P M R R intersects	av, fir
1569 Wolf-Lockwood Lum-	EFFIE
ber Co	Park
" Northland Lumber	Phers
Co	Jessie
Crofton ends	North
1605 Stiles Bros Co	
Boston begins	E I G H
Morgan begins	Front
Dickinson intersects	way a
1726 Fuller Daisy Mrs	av we
" DeVries George	first n
Ballard begins	308 Co
Griggs ends	" Pya
Hooker begins	309 Jes
1825 Hannah George A	" Mu
1835 Dixon George	311 Tir
" Hannah Alfred	312 Gil
1840 Porter George W	314 Car
1853 Harrington Anna	" Per
Mrs	Scribn
Burton intersects	331 Wh
(Houses beyond not	333 Fou
numbered)	335 Sha
	336 Dro
EATON PL, NW—From	337 Bar
Sibley to Shawmut av,	340 Sali
first west of Richards	341 Prit
av	Turner
	408 Rod
EBNER CT, SE—From	409 Vanc
Sheldon av east, first	411 Not
south of Franklin	414 Gim
7 McKeiver Frances	415 Bills
	" Kau

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	2011	-	✓	Polk's City Directory

Martin Avenue SE				
26-5259	• ZIP CODE 49507 CAR-RT C099	6875		
	2134 McGhee Mary S [21] ▲			
75-1167	2140 Hansen April M [2] ▲	+ KIT		
52-6763	2144 Lenz Jamison M [2] ▲			
	2150 Brother Julietta [3] ▲			
	.....616-241-5890	MART		
milk	+ HOYT ST SE INTERSECTS	• ZIP		
N CO	+ BROADVIEW ST SE CONTINUES	9550		
11-2060	• ZIP CODE 49507 CAR-RT C076	9559		
	2420 Guydon Rita D [6] ▲			
15-3403	.....616-248-0697			
INC	Guydon Kimberly L ..616-248-0697	MART		
	2424 Guydon Rita J [4] ▲	1524		
1-2060	.....616-241-3308	• ZIP		
Electric	Guydon Michelle L ..616-241-3308	5024		
2-7066	2430 Thomas Monica K [9] ▲	5025		
HOLDS 1	Thomas Brandi C	5034		
	2438 Dean Sonya R [18] ▲			
M 762	Dean Ashley R	5035		
	2440 No Current Listing	5044		
	2442 Smith Daren R & Patti J [22] ▲	5045		
	.....616-452-7879			
	2445 Gritter Robert D & Ruth [26] ▲	5067		
	.....616-222-1185			
5-6975	2519 Walker James W & Theresa S [13] ▲			
	2520 No Current Listing			
[11] ▲	2524 Klemp Crispin C [2] ▲	MAR		
5-2624	2525 Bosma Kent L & Rachelle G [2] ▲	5001		
	2529 Locklin Ronald B [15] ▲	• ZIP		
	.....616-245-1568	1305		
	2530 Huerta Hipolito M ▲			
▲	2533 Barber Andrew C [2] ▲			
-4639	2534 Thomson Michael N & Abigail S [15]			
	▲616-241-5053	130		
	2539 Hinkle Aaron M [13] ▲			
	2540 Bernson Joshua D & Michelle D [8]	131		
-4918	▲			
-4918	2543 Dodge Luanne D [21] ▲			

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	2006	-	✓	Polk's City Directory

Martin Avenue SE	
2104 Sprick Thomas A & Nell E [23]▲	.....616-243-1905
2110 Haynes Janice M [10]▲	.....616-241-8704
2114 [20] Kroil Brian J▲	.....616-243-7840
2120 Burks Jeffrey W & Laurie S [3]▲	.....616-245-6438
+ WINCHELL ST SE INTERSECTS	
+ WINCHELL ST SE CONTINUES	
2134 McGhee Mary S [16]▲	.....616-241-2074
2140 Littles Doris E [11]▲	.....616-241-2074
2144 [20] Galas Jaime▲	.....616-243-5377
2150 Johnson Julie C [12]▲	.....616-243-6521
+ HOYT ST SE INTERSECTS	
+ BROADVIEW ST SE CONTINUES	
• ZIP CODE 49507 CAR-RT C012	
2420 Karsten Kimberly S [14]▲	.....616-452-7879
2424 Rhodes Tanya R [5]▲	.....616-222-1185
2430 Thomas Michelle A [4]▲	.....616-233-3295
Thomas Brandi C	.....616-247-8087
2438 Dean Sonya R [13]▲	.....616-245-1568
2440 Taylor Clyde N & Marian B [25]▲	.....616-247-8087
2442 Smith Daren R & Patti J [17]▲	.....616-247-8087
2445 Gritter Robert D & Ruth [21]▲	.....616-247-8087
• ZIP CODE 49507 CAR-RT C078	
2519 No Current Listing	.....616-247-8087
2520 TECHNOSOL nonclassified establishments	.....616-247-8087
Vandrie Brian L [6]▲	.....616-247-8087
Vandrie Kara S	.....616-247-8087
2524 Holtrop Laura F [2]▲	.....616-247-8087
2525 Clement Tyler J [2]▲	.....616-247-8087
2529 Locklin Ronald B [11]▲	.....616-247-8087
2530 Berrones Nohemi & Simon [11]▲	.....616-247-8087
[20] Carrillo Sergio H▲	.....616-247-8087
Carrillo Elvia	.....616-247-8087
2533 Talsma Marilyn J [10]▲	.....616-247-8087
2534 Thomas Michael N & Abigail S [10]▲	.....616-247-8087

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	2001	-	✓	Polk's City Directory

Martin Avenue SE

698-6967	2066 McGhee Darryl L & Sherri [4] ▲	243-8449	6780 RO
698-6967	2100 Fox Dawn M [7] ▲	248-3942	6817 Ad
HOLDS 477	2104 Sprick Thomas A & Kim [9] ▲	243-1905	6835 Ho
APIDS)-	2110 Haynes Janice M [5] ▲	243-7640	6845 Go
SOUTH	21140 Maynard Susan ▲	246-1367	6856 Ma
45	2120 Schrandt Laurie L [3] ▲	246-1367	Ma
[3] ▲	+ WINCHELL ST SE INTERSECTS	246-1367	6875 Var
676-3220	2134 McGhee Mary S [9] ▲	243-7965	+ KITSO
EHOLDS 1	McGhee Gwendolyn L.	245-6438	BUSINES
S)-FROM	2140 Anderson Spencer C [7] ▲	245-6438	MARWO
W WEST	2144 Crowe Lorissa A [2] ▲	245-6438	FR
11	2150 Hinds Holly A	245-6438	. ZIP CO
MITED	Johnson Julie C [4] ▲		5024 Ber
	+ HOYT ST SE INTERSECTS		5025 Ng
	+ BROADVIEW ST SE CONTINUES		5034 Jon
	. ZIP CODE 49507 CAR-RT C076		5035 Qu
248-2900	2420 Cornelisse Michelle F [3] ▲	245-2187	5044 Ab
INTER	Karsten Kimberly S [9] ▲	245-2187	Ab
248-3900	Skarsten Kimberly		5045 Mit
MITED	2424 Mamagona Peter A [4] ▲		Mit
248-2900	Mamagona Sherrie S		5061 Hu
	2430 Willis Michelle A		
248-7800	Willis Stacey C		
TIVE	2438 Dean Luis [9] ▲	243-5377	
OCIATION	Dean Etna F	243-5377	
247-6761	2440 Taylor Marian B [9] ▲	243-6521	MARWO
RICA ice	2442 Loveland R K [9] ▲		FR
224-5129	Loveland Patti J		. ZIP CO
ATIVE	Smith Daren R & Pattie [9] ▲	452-7879	1305 King
	2445 Gritter Robert D & Ruth [9] ▲	245-4163	1306 Nie
	+ MULFORD DR SE CONTINUES		1318 Star
247-1387	2519 Fike Noel J [4] ▲	452-1090	1328 Red
ng	Fike Nicky W	452-1090	
452-6763	2520 Vandrie Brian L [2] ▲	247-3920	1340 Kwe
SE truck	2524 Not Verified		
245-3403	2529 Locklin Ronald B [4] ▲	245-1568	1350 Hav
ATION	2530 1 Berrones Simon [4] ▲	247-8087	
rs	1 Berrones Nohemi	247-8087	Hav
241-2060	2533 Talsma Marilyn J [2] ▲	241-5053	1353 Moy
CHIGAN	2534 Thomson Michael N [4] ▲	241-5053	1360 Van
245-4446	Thomson Sharon	248-5597	Var
auto	2539 Hinkle Derick ▲		1365 Mur
248-2796	2540 Walma Todd [4] ▲		1370 Bak

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1995	-	✓	Polk's City Directory

Martin Avenue SE

		145
cont'd	MARTIN AV SE	cont'd
	2140 Saylor John R & Mary [H]+ [A] 452-1648	537 Daniel Ca
7140	2144 Lamonte L [H]	539 Wittland C
	2150 [H] Bylsma Dan..... 245-9106	.....
	+ HOYT INTERSECTS	541 Mitchell M
	+ BROADVIEW INTERSECTS	543 Jelama Jo
	2420 Goodin L [H]..... 245-2187	545 Godesak
3046	2424 Not Verified	547 Lanning C
3046	2430 Fennell Margaret A [H]+ [A]..... 452-2596	549 [H] Seberry
	2438 [H] Dean Louie [A]	551 Raahewski
	2440 Taylor Marian B [H]+ [A]..... 243-6521	553 Glotta Jan
3563	2442 Smith Daren & Patti [H] [A]..... 452-7879	555 Leavenwo
	2445 Gritter Robert D & Ruth [H]+ [A] 245-4163	557 Van Belois
5820	+ MULFORD DR INTERSECTS	.....
1210	2519 Piccard Charles E & Linda [H]+ [A]	559 Zielinski Je
	..... 243-2287	561 Chubinski
	2520 Not Verified	563 Barnes Lo
	2520 Katt Karen S [H]+ [A]..... 243-5028	565 [H] Luhn G M
5614	2524 Felker Ron & Janet [H] [A]	567 Stacey Bur
	2525 [H] Buckley Will & Dante [A]	Stacey W
	2529 Not Verified	569 Mc Gavin
	2530 Carlstrom Margaret A [H]+ [A].... 452-7397	571 Milanowski
	2533 Broekema Brian A & Debra [H] [A]	573 Razzoog D
	..... 247-7949	575 [H] Heffner R
	2534 Vandeverter Glen & Lori [H] [A] 247-0270	577 Steele Glen
	2539 Luikaart W David & Marian [H]+ [A]	.....
	..... 234-9068	579 Seger Virg
	2540 Blain Judy [H]+ [A]..... 452-3313	Karlson M
S 280	2543 Dodge Louann [H] [A]..... 246-1967	583 Brown Jame
VILLE	2544 [H] Knight Scott & Linda [A]	585 Palmatier H
	2550 Steensma Andrew H & Phyllis [H]+ [A]	587 Norman Ge
	..... 245-6541	.....
31	2555 Zylstra Herman & Joan [H]+ [A] 241-5858	589 Quigg Jame
	+ REYNARD INTERSECTS	591 Suwyn Jean
	2663 Fischer Ross & Karen [H] [A].... 245-5229	Taber Mary
-0957	+ WALSH AV INTERSECTS	593 Verburg Ro
	HOUSEHOLDS 75	.....
	MARYLAND AV NE -FROM 2360 E FULTON	. ZIP CODE 495
-9825	NORTH TO LEONARD 1 EAST OF	600 Vacant
	BEL-AIR DR	600 THOMPSON
-4819		.....
-4819	. ZIP CODE 49503	MICHIGAN
-9961	11 Termaat Peter P & Sara [H]+ [A].. 451-9144	marking &
	Termaat Nathan J..... 451-9144	BRIGGS EL
	19 Rooks Thomas [H] [A]..... 235-1698	STRATIGIC
	30 Danos B H [H] [A]..... 456-6869	.....
-4938	+ WESTBORO DR NE INTERSECTS	YARED TH
-4938	39 Siazinski John R [H]+ [A]..... 774-0302	600 Vacant
-3308	41 Logle James W & Jean [H]+ [A]... 458-0170	ANDERSON
-3308	43 Not Verified	.....
	46 Campbell Robert J & Emily [H] [A] 459-8406	600a Vacant
DS 13	81 [H] Sikkema E W [A]	601 KLISE MANU
	100 Weiss George H & Maryrita [H]+ [A]	embossed

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1990	-	✓	Polk's City Directory

Martin Avenue SE

	2036 Dalstra Rayford W @	
	2042 Gates Michl @	
	2048 Casey E James III @ 243-4796	36
	2052 Start Clarence @ 452-4754	
	2056 Rufus Deliose Mrs @ 247-3883	
	2060★Schutte Jeffrey 452-9204	
	2066 Truby David E @ 243-3521	43
	2100 Lawton Pamela @ 243-6841	45
	2104 Vos Edward @ 241-6133	46
	2110 Naves Terry @ 243-5646	
	2114★Ford Ronald @ 243-4602	48
	2120 Wilbraham Michl E @ 452-2780	50
	WINCHELL INTERSECTS	50
	2134 Vacant	50
	2140 Sayler John R @ 452-1648	50
	2144 De Maat Lenore	51
	2150 Van Dyke Dorothy J @ 243-7193	51
	HOYT ENDS	51
	BROADVIEW ENDS	51
	2420 Underhill Glenna Mrs 247-6978	51
	2424 Powell Mary Mrs 243-5545	52
	2430 Fennell Margt A Mrs @ 452-2596	52
	2438 Faber Alan J @ 452-3869	52
	2440 Taylor Marian B Mrs @ 243-6521	52
	2442★Smith Aaron @	52
	2445 Gritter Robt D @ 245-4163	52
	MULFORD DR INTERSECTS	53
	2519 Piccard Charles E @ 243-2287	53
	2520 Katt Gary N 243-5028	53
	2524★Felker Janet @	53
	2525★Wetherbee Jeffrey L @ 247-7477	53
	2529★Clauser Jeffery P @ 241-5803	54
	2530 Carlstrom Margt A Mrs @ 452-7397	54
	2533★Broekema Brian A @ 247-7949	54
	2534 Goetz Regis @ 247-1664	54
	2539 Luikaart W David mfr rep @	54
	243-9068	55
	2540 Blain Judy Mrs @ 452-3313	55
	2543★Dodge Louann @	55
	2544 Scott Donald L @ 243-1177	55
	2550 Steensma Andrew H @ 245-6541	55
	2555 Zylstra Herman @ 241-5858	56
	REYNARD INTERSECTS	56
	2663★Fischer Ross @ 245-5229	56
	WALSH AV INTERSECTS	

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1985	-	✓	Polk's City Directory

Martin Avenue SE

2048 Hoekstra Robt ☺
 2052 Start Clarence ☺ 452-4754
 2056★Rufus Jame ☺ 247-3883
 2060 De Meester Scott 243-1094
 2066 Poole Duane E ☺ 243-9483
 2100★Disselkoen Laurel ☺ 452-1516
 2104 Vos Edward ☺ 241-6133
 2110 Sweeney Marg ☺ 247-7576
 2114★Tardy Terry N ☺ 243-4030
 2120 Milito Rose M Mrs ☺ 452-5649
 WINCHELL INTERSECTS
 2134 Petrovich John ☺
 31 2140 Sayler John R ☺ 452-1648
 2144 Haldaman Violet M Mrs ☺ 245-9606
 FREY 2150 Van Dyke Dorothy J ☺ 243-7193
 HOYT ENDS
 BROADVIEW ENDS
 2420 Underhill Richd D 247-6978
 2424 Powell Mary Mrs 243-5545
 2430 Fennell Margt A Mrs ☺ 452-2596
 2438 Faber Alan J ☺ 452-3869
 2440 Taylor Marian B Mrs ☺ 243-6521
 2442 Loveland Edna M ☺
 2445★Gritters Bob ☺
 MULFORD DR INTERSECTS
 2519 Piccard Charles E ☺ 243-2287
 849 2520 Mellema Dorothy Mrs ☺ 241-6166
 2524★De Vinney Eric S ☺ 241-4395
 13-4938 2525 Sowle Eliz H Mrs ☺ 452-0163
 2529★Caluser Jeffery P ☺ 241-5803
 2530 Carlstrom Margt A Mrs ☺ 452-7397
 2533 Ritzema Tom A ☺ 247-7814
 2534 Tigchelaar Donald ☺ 245-3296
 30 2539 Luikaart W David mfr rep ☺
 STON 243-9068
 2540 Blaine Judy Mrs ☺ 452-3313
 2543 Arins Ventis V ☺ 452-6582
 2544 Scott Donald L ☺ 243-1177
 2550 Steensma Andrew H ☺ 245-6541
 2555 Zylstra Herman ☺ 241-5858
 REYNARD INTERSECTS
 2663 Orange John ☺ 245-7390
 WALSH AV INTERSECTS

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1980	-	✓	Polk's City Directory

Martin Avenue SE

2048★Whitney Ralph H
 2052 Stark
 2056 Meyer Robt W © CH5-4097
 2060 Fron Thos R © 243-9474
 2066 Poole Duane E © 243-9483
 2100 De Haan Martin R ©
 2104 Sparks Walter J ©
 2110 Sweeney Marjorie A © 247-7576
 2114 Reedtz Betty J © 452-6121
 31 2120 Milito Rose M Mrs © GL2-5649
 WINCHELL INTERSECTS
 FREY 2134 Kaminski Gary ©
 2140 Sayler John R © 452-1648
 2144 Haldaman Violet M Mrs © CH5-9606
 2150 Van Dyke Dorothy J © 243-7193
 HOYT ENDS
 BROADVIEW ENDS
 2420★Underhill Richd D 247-6978
 2424 Powell Mary Mrs 243-5545
 2430 Fennell Margt A Mrs © 452-2596
 2438 Faber Allen J © 452-6600
 2445 Deters Ellis E © 452-8056
 MULFORD DR INTERSECTS
 2519★Piccard Charles E
 2520 Mellema Dorothy E Mrs © 241-6166
 2524 Starkenburg Steve
 2525 Sowle Eliz H Mrs © 452-0163
 2529 Vacant
 2530 Carlstrom Margt A Mrs © GL2-7397
 2533 Vacant
 5 2534 Tigchelaar Donald © 245-3296
 2539 Luikaart W David © CH3-9068
 30 2540★Blaine Judy Mrs ©
 DOSTON 2543 Arins Geraldine Mrs
 2544 Scott Donald L © 243-1177
 2550 Steensma Andrew H © 245-6541
 2555 Zylstra Herman © 241-5858
 REYNARD INTERSECTS
 (NOT OPEN BET REYNARD & 2663)
 2663★Orange John
 50
 7 MARYLAND AV NE FROM 2340 E

Street:
Martin Avenue SE

Year
1975

TP
-

Adjoining
✓

Source
Polk's City Directory

Martin Avenue SE

2042 Vacant	347
2048 Lipscomb P Burr infra agt ©	350
CH3-8018	353
2052 Kaufman Frieda M Mrs © CH5-5758	356
2056 Meyer Robt W © CH5-4097	367
2060★Mulligan Michl ©	
2066 Poole Duane E © 243-9483	
2100 De Haan Martin R ©	MI
2104 Van Straten Thos J © 245-4680	455
2110 Voltz Edw A © CH5-7973	465
2114 Reetz Betty J © 452-6121	480
2120 Milito Rose M Mrs © GL2-5649	
WINCHELL INTERSECTS	501
2134 Youngberg A Bertha Mrs © CH5-2578	503
2140 Sayler John R © 452-1648	507★
2144 Haldaman Violet M Mrs © CH5-9606	509
2150 Van Dyke Dorothy J © 243-7193	513
HOYT ENDS	515
BROADVIEW ENDS	ZII
2420★Reece Hugh	601
2424 Powell Mary Mrs © 243-5545	
2430 Fennell Thos J © 452-2596	
2438 Faber Allen J © 243-0072	
2445 Deters Ellis E © 452-8056	800
MULFORD DR INTERSECTS	815
2519 Koster Wm © 243-2287	843
2520 Mellema Dorothy E Mrs © 241-6166	850
2524 Music James L 245-0157	860
2525 Sowle Eliz H Mrs © 452-0163	879
2529 Stadt Wm W © 243-0270	906
2530 Carlstrom Harry W © GL2-7397	911
2533 Dekker Johanna M Mrs © CH5-9013	
2534 Tigchelaar Donald © 245-3296	916★
2539 Luikaart W David © CH3-9068	929
2540 Kemper Insurance Co 241-0608	943
Haydock Albert C © CH1-2829	950★
2543 Holwerda John G © 241-5954	953
2544 Broas Robt W © GL2-1927	970
2550 Mellon Thos L © 243-7774	971★
2555★Zylstra Herman 241-5858	988
REYNARD INTERSECTS	999
(NOT OPEN BET REYNARD & 2663)	1003
2663 Hoeksema B Louise © 245-5206	1008
	1026
	1032

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1970	-	✓	Polk's City Directory

41 M		Martin Avenue SE	
SUPPLY CO. and all Surrounding Areas	MARTIN AV SE—Contd		3
	2042 Walters Dorothy Mrs		3
	2048 Lipscomb P Burr mfrs agt @		3
	CH3-8018		3
	2052 Kaufman Leonard E @ CH5-5758		3
	2056 Meyer Robt W @ CH5-4097		3
	2060 Janer Frank J @ 241-5278		3
	2066 Poole Duane E @ 243-9483		
	2100 Carpenter Florence E @ 452-3859		
	2104 O'Reilly M Florence Mrs @ CH3-1712		
	2110 Voltz Edw A @ CH5-7973		4
	2114 Burghardt Richd K @ 243-2398		4
	2120 Milito Joseph P @ GL2-5649		4
	WINCHELL INTERSECTS		
	2134 Youngberg A Bertha Mrs @ CH5-2578		
	2140 Sayler John R @ 452-1648		6
	2144 Haldaman Violet A Mrs @ CH5-9606		
	2150 Van Dyke Dorothy J @ 243-7193		
	HOYT ENDS		
	BROADVIEW ENDS		8
	2420 No Return		8
	2424 Smeelink Joseph H 245-6376		8
	2430 Fennell Thos J @ 452-2596		8
	2438 Paymaster Sales & Service check		8
	protector mfrs GL2-5084		8
	Swierenga Henry J @ GL2-5084		9
	2445 Mast Henry @ CH3-2056		9
	MULFORD DR INTERSECTS		
	2519 Koster Wm @ 243-2287		9
	2520 Mellema Henry R @ 241-6166		9
	2524 No Return		9
	2525 Sowle Theo J @ GL2-3305		9
	2529 Stadt Wm W @ 243-0270		9
	2530 Carlstrom Harry W @ GL2-7397		9
	2533 Dekker Johanna M Mrs @ CH5-9013		9
	2534 Tigchelaar Don @ 245-3296		9
	2539 Luikaart W David @ CH3-9068		9
	2540 Haydock Albert C @ CH1-2829		10
	Kemper Insurance Co		10
	2543 Holwerda John G @ 241-5954		10
	2544 Broas Robt W @ GL2-1927		10
	2550 Bosma Jameson L @ GL2-8172		10
	2555 Van Atta Maybelle Mrs @ CH1-3772		10
	REYNARD INTERSECTS		10
	2663 Hoeksema B Louise @ 245-5206		10

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1966	-	✓	Polk's City Directory

Martin Avenue SE

	2036	KILBY BILLY E	245-0688
	2042	BROGAN M PEARL	CH5-7426
	2048	LIPSCOMB P B MFRS AGT	CH3-8018
	2052	KAUFMAN LEONARD E	CH5-5758
	2056	MEYER ROBT W	CH5-4097
	2060	VANDER GALIEN MICHL CEMENT	CONTR • 241-1752
	2066	HARRIS JOSEPH F	CH5-4541
	2100	CARPENTER FLORENCE E	452-3859
	2104	O'REILLY ROBT E	CH3-1712
	2110	VOLTZ EDW A	CH5-7973
	2114	NO RETURN	
	2120	MILITO JOSEPH P	GL2-5649
	---	WINCHELL INTERSECTS	
	2134	YOUNGBERG A BERTHA MRS	CH5-2578
	2140	SAYLER JOHN R	452-1648
---	2144	HALDAMAN VIOLET M MRS	CH5-9606
30	2150	LYON JERRY	CH1-3857
	---	HOYT ENDS	
	---	BROADVIEW ENDS	
	2430	WATT RAY F	CH3-5163
	2438	PAYMASTER SALES & SERVICE	GL2-5084
		SWIERENGA HENRY J	GL2-5084
	2445	MAST HENRY	CH3-2056
5	---	MULFORD DR INTERSECTS	
	2519	KOSTER WM	243-2287
	2520	DE GRAAF ALICE MRS	CH3-4504
67	2524	GOSS SUSAN M	452-4680

MOLEN & I
GENERAL SHEET METAL WORK
 INUM, and STAINLESS STEEL SHEETS and BAR

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1961	-	✓	Polk's City Directory

Martin Avenue SE

	2056ΔMeyer Robt W ©	347ΔRyt
©	2060ΔGruessing Richd J ©	350ΔBlo
	2066ΔHarris Jos F ©	
	2100ΔCarpenter Florence ©	353ΔRyt
		356ΔCar
30	2104ΔO'Reilly Robt E ©	367ΔLur
	2110ΔVoltz Edw A ©	
zond	2114ΔBurghardt Otto H ©	
	2120ΔMilito Jos P ©	480ΔJen
	Winchell intersects	
	2134ΔYoungberg A Bertha Mrs ©	815ΔVan
©	2140ΔSayler John R ©	843ΔGer
F	2144ΔHaldaman Violet M ©	850ΔHou
		860ΔDes
	2150ΔLyon Jerry ©	879ΔTer
	Hoyt ends	ΔTer
	Broadview ends	
P	2430ΔWatt Ray ©	906ΔBier
	2438ΔSwierenga Henry J	911ΔPec
o P	2445ΔMast Henry ©	
	Mulford dr intersects	
J	2519ΔBosma Jameson L ©	925 Vac
	2520ΔDeGraaf Edw ©	935 Unde
	2524 Honton John P	950ΔHave
	2525ΔSowle Theo J ©	970ΔBerg
	2529ΔBrinks Harold R ©	988ΔSieb
©	2530ΔCarlstrom Harry W ©	999 Mar
A ©		1008ΔFife
Mrs	2533ΔDekker Richd L ©	1026ΔVan
	2534ΔLawson Hanford I ©	1033ΔBier
	2539ΔLuikaart W David ©	1058ΔKen
rs	2540ΔHaydock Albert C ©	1061ΔKate
	Kemper Ins Co	J
s	2544ΔBosch Henry G ©	1
A ©	2550ΔPrins Tunis ©	1075ΔStJo
s ©	2555ΔVanAtta C A ©	1086ΔPer
l C	Reynard intersects	1093ΔMee
	2663ΔHoeksema Henry ©	1111ΔTha
		1130ΔNels

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Martin Avenue SE	1956	-	✓	Polk's City Directory

Martin Avenue SE

2060Δ	Gruessing Richd J	1642Δ
	P ©	1645Δ
2066Δ	Harris Jos F ©	1646Δ
2100Δ	Carpenter Ortan A ©	1647Δ
2104Δ	O'Reilly Robt E ©	1650Δ
2110Δ	Voltz Edw A ©	1651Δ
2114Δ	Burghardt Otto H ©	
2120Δ	Lighthart Donald ©	1654Δ
	Winchell intersects	
2134Δ	Farra Maris S ©	1657Δ
2140Δ	Sayler John R ©	1660Δ
2144Δ	Blain May Mrs ©	1661Δ
2150Δ	Lyon Jerry ©	1664Δ
	Hoyt ends	1665Δ
	Broadview ends	1668Δ
2430Δ	Warmels Harold J ©	
2438	VanderMeer Edw ©	ΔF
2445Δ	Mast Henry ©	
	Mulford dr inter-	1671Δ
	sects	1700Δ
2519Δ	Bosma Jameson L ©	
2520Δ	Wiersma Alice Mrs	1701Δ
	©	ΔK
2524Δ	Zalewski Stanley	1704Δ
	F ©	
2525Δ	Sowle Theo J ©	1705Δ
2529Δ	Brinks Harold R ©	
	Rev	1710Δ
2530Δ	Carlstrom Harry	1711Δ
	W ©	1714Δ
2533Δ	Dekker Richd L ©	1715Δ
2534Δ	Lawson Hanford I	
	©	1722Δ
2539Δ	Luikaart W David	1723Δ
	©	1726Δ
2540Δ	Haydock Albert C ©	1729Δ
2544Δ	Bosch Henry G ©	1732Δ
2555Δ	Bosma Harris P ©	1735Δ
2562Δ	Heekema Henry	1739Δ

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	2011	-	✓	Polk's City Directory

Mulford Drive SE

	Osborn Richard D [19] ▲		Ru
	.....616-247-8955	2754 Ka	
248-3214	701 Palomino Catharyn A [10] ▲		
248-3214	.....616-452-6807	2759 Bo	
on E [37]	704 MC INTYRE CONSTRUCTION SVC		
245-4105	construction- heavy projects	2761 Br	
	.....616-248-4996	2768 De	
452-6320	McIntyre Todd M & Tricia A [15] ▲		
	.....616-248-4996	De	
[17] ▲	705 Dobrzynski Karen A [14] ▲	2770 Ma	
452-3286	.....616-475-8368		
Judrey J	709 Grooters Terry R Jr [16] ▲	2772 Lu	
	710 Hoster Kelly L [2] ▲		
[10] ▲	714 Wiechartjes John D & Danielle J [10]	Mc	
243-4413	▲		
	715 Millsap Dawn M [9] ▲	2774 Ja	
	719 Lawton Kerry J [14] ▲	▲	
248-3096	725 Quillen Jill A [7] ▲	2777 - 2	
&	726 Hughes Scott A & Staci L [6] ▲	2800 Ko	
248-7612	+ LINDEN AVE SE INTERSECTS		
ony S	+ LINDEN AVE SE CONTINUES	2802 Do	
248-7612	729 No Current Listing		
A [14]	732 Edington Michael D & Laura J [20] ▲	+ E MULF	
52-1866	.....616-475-0673	2804 Ca	
[4] ▲	735 Kauwell Betty J [38] ▲		
41-5251	.....616-452-4154	2806 Se	
	738 Bridle Chad A & Amanda K [6] ▲		
	.....616-248-0616	2813 Br	
	739 Thomas David A [10] ▲	▲	
	.....616-724-4776	2815 Kin	
[16] ▲	745 Sletsema Holly L [10] ▲	2816 Fra	
45-5525	+ MARTIN AVE SE BEGINS	Fra	
[13] ▲	+ MARTIN AVE SE CONTINUES	2818 Wa	
52-5186	+ EASTERN AVE SE INTERSECTS		
[1] ▲	+ MARSHALL AVE SE CONTINUES	2820 Sul	
62-1630	• ZIP CODE 49507 CAR-RT C072		
	834 Montgomery Eric W & Amanda R [6]	2822 Eh	
	▲		
[9] ▲	840 Leech Timothy J & Jennifer M [10] ▲	2827 D	
8-1514	.....616-514-5668	Deh	
	846 Watts David A [14] ▲	2829 Hild	
	850 Bragg Nathan W [12] ▲		
	856 Atwood Daniel P & Rachel J [4] ▲	2841 Lach	

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	2006	-	✓	Polk's City Directory

Mulford Drive SE

.....616-247-8955
701 Palomino Catharyn A [5]▲
.....616-452-6807
6-248-3214 704 MC INTYRE CONSTRUCTION SVC
ann E [32] construction- heavy projects
6-245-4105616-248-4996
McIntyre Todd M & Tricia A [10]▲
.....616-248-4996
6-452-6320 705 Dobrzynski Karen A [9]▲
6-243-2533 709 Grooters Terry R Jr & Linda D [11]▲
.....616-475-4669
6-452-3286 710 Christians Lesley B [8]▲
6-452-3286616-245-3352
K [10]▲ Christians James D616-245-3352
714 Wiechertgeg Danielle J [5]▲
715 Feikema Brenda S [9]▲
719 Lawton Kerry J [9]▲616-475-5432
725 Quillen Jill A [2]▲
6-248-3096 726 Hughes Scott A▲
[3]▲ + LINDEN AVE SE INTERSECTS
6-248-7612 + LINDEN AVE SE CONTINUES
ine A [10] 729 ELGON COMMERCIAL SVC janitor
6-452-1866 serv616-452-5265
6-475-8317 Gathungu Nganga A & Rukiya N [11]▲
A [5]▲616-452-5328
732 Edington Michael D [15]▲
.....616-475-0673
6-245-4322 Edington Laura J616-475-0673
nn M [11] 735 Kauwell Betty J [33]▲
6-245-6053616-452-4154
B [7]▲ 738 Rich Michael A & Kristina M [9]▲
a F [11]▲616-248-0004
6-245-5574 739 Thomas David A [5]▲
r J [8]▲ 745 Sietsema Holly L [5]▲
6-452-5186 + MARTIN AVE SE BEGINS
[30]▲ + MARTIN AVE SE CONTINUES
6-452-1630 + EASTERN AVE SE INTERSECTS
+ MARSHALL AVE SE CONTINUES
rey G [38] • ZIP CODE 49507 CAR-RT C072
6-243-9571 834 No Current Listing
840 Leech Timothy J & Jennifer M [5]▲
.....616-514-5668
6-246-1562 846 Watts David A & Colleen A [9]▲
.....616-475-5914
6-241-4108 850 Senninger Karen L [9]▲

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	2001	-	✓	Polk's City Directory

Mulford Drive SE

49-3429	701 Molendaz Aida E [4] ▲	475-5813	2829 H
56-7532	704 McIntyre Todd M & Tricia [7] ▲		
56-7532	.....	248-4996	
	MCINTYRE CONSTRUCTION		2841 L
75-9497	SERVICE heavy constn		2842 S
	.....	248-4996	
49-6326	705 Dobrzynski Carl [5] ▲		2843 B
HOLDS 4	Dobrzynski Karen A		
	709 Grooters Terry R Jr [5] ▲		2844 V
IDS)-	.....	475-4669	
	710 Christians James D [2] ▲		
	.....	245-3352	2846 F
	Christians Lesley B.....	245-3352	2848 L
2	714 Mulder Jo S [9]+ ▲	452-0425	2855 W
	Mulder Collin B.....	452-0425	
	+ MARTIN AVE SE INTERSECTS		2857 H
243-4189	715 Feikema Brenda S [4] ▲		
243-4189	719 Lawton Kerry J [9]+ ▲	475-5432	2858 H
RS	Lawton Michael J.....	475-5432	
248-3214	725 Boorsma William N [2] ▲		2860 N
n [9]+ ▲	Notaro Natalie C [7] ▲		2862 B
245-4105	Ruhoff Sheryl [2].....	245-3468	
	726 Vantil Todd A [5] ▲	243-6881	E
452-6320	729 ELGON SERVICES.....	452-5265	S
	Gathungu Nganga A [9]+ ▲		2864 H
452-3286	.....	452-5328	H
241-5353	Gathungu Rukiya N.....	452-5328	2869 M
241-5353	732 Edington Michael [2].....	475-0673	
246-1659	NSchaab Laura J		2871 B
246-1659	735 Kauwell Albert S [9]+ ▲	452-4154	
241-0986	738 Rich Michael A [3] ▲	248-0004	+ RIDGE
241-0986	Rich Kristina M.....	248-0004	2901 N
S	739 Ferguson Mary L [9]+ ▲		2903 H
[5] ▲	Ferguson Dolly R		2907 Ja
243-6162	745 NScholten Heather L		2909 P
le [5] ▲	+ EASTERN AVE SE INTERSECTS		2915 Jo
452-1866	+ MARSHALL AVE SE CONTINUES		J
475-8317	.....		2917 S
475-8317	ZIP CODE 49507 CAR-RT C072		S
	834 NFraijo Thomas L		2925 G
452-3868	840 NClauser Bruno.....	243-1143	W
245-4322	846 Not Verified		W
243-4732	850 Senninger Karen L [5] ▲		
243-4732	856 Modderman Beatrice [9]+ ▲		
245-1593	.....	245-1544	W
245-1593	Modderman Lisa J.....	245-1544	2927 Ka
245-5574	864 Earley James H Jr [5] ▲	475-1343	K
452-5179	870 NAdams Aaron N.....	241-0132	2931 Ho
TS	Adams Jane P.....	241-0132	▲
452-1630	902 Westenbroek Joan R [9]+ ▲		2936 No
452-1630	.....	245-5833	+ EDGE

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1995	-	✓	Polk's City Directory

Mulford Drive SE

453-1462	637 Caswell Patricia A.....	245-2074
	643 Deboer Marion	452-2945
453-0060	644 Gundy Paul B & Linda [D]+	247-7820
453-2067	649 De Vries Simon S & Marian [D]+	243-7065
453-8091	655 Bego Gregory E & Tracy [D]	452-1262
453-8091	656 Vandersloot Charles L & Christine [D]+	243-9408
453-9389	+ LINDEN AV INTERSECTS	
453-9389	666 Buzzlitta Jim.....	241-2974
453-9389	667-700 Not Verified (2 Hses)	
453-9389	701 Jansen Joan J [D]+	452-6678
453-9389	704 Theule Theodore & Dolores	245-2199
453-9389	Theule Scott K.....	245-2199
453-0793	705 Not Verified	
453-0793	709 Mullins C [D].....	241-6320
453-0793	710 De Groot Rev Otto & Grace [D]+	452-8003
453-5615	714 Mulder J	452-0425
453-0856	+ MARTIN AV INTERSECTS	
453-7120	715-719 Not Verified (2 Hses)	
453-3933	725 Miller James L [D]	243-7120
453-6108	726 Steegstra Mildred E [D]+	245-3796
453-9570	729 Hartnagel Jeff S & Kristen [D]	245-8060
453-4715	732 Coniglio Josephine M [D]+	452-4154
453-4715	735 Kauwell Albert S & Betty [D]+	241-5672
453-4715	738 Schulz Eric M & Barbara [D]	
453-4715	739-745 Not Verified (2 Hses)	
453-4715	+ EASTERN AV INTERSECTS	
453-4715	+ MARSHALL AV SE INTERSECTS	
453-4715	834 Degroot David & Irene	
453-4715	Degroot Susie	
453-4715	840 Clauser Bruno J & Kathryn [D]+	243-1143
453-4715	846 Devereau James F & Marty [D]+	245-9485
453-4715	Devereau Lisa.....	245-9485
453-4715	850 Tuttle Lynn	452-3742
453-4715	Defendorf Jeff	452-3742
453-4715	856 Modderman [D]	
453-4715	864 De Korne David J & Barbara [D]	452-0756
453-4715	870 Edmonds Carole N [D]+	452-5555
453-4715	902 Westenbroek Edgar A & Joan [D]+	245-5833
453-4715	910 Lantz Thomas E & Debra [D]	241-1039
453-4715	+ ALEDA AV SE INTERSECTS	
453-4715	MULFORD PLACE CONDOMINIUMS	
453-4715	+ WOODMEADOW DR SE INTERSECTS	
453-4715	2700 Swayman Gertrude [D]	
453-4715	2701 Schlevink Helena C [D]	940-2558
453-4715	Schlevink Kim A.....	940-2558
453-4715	2702	

Street:
Mulford Drive SE

Year
1990

TP
-

Adjoining
✓

Source
Polk's City Directory

Mulford Drive SE

631 Poma Frances E Mrs @ 243-4020
637 Caswell Raymond R @ 245-2074
643 De Boer Marion @ 452-2945
644 Gundy Paul B @ 247-7820
649 De Vries Simon S @ 243-7065
655★Bego Gregory @ 452-1262
658 Vandersloot Chas L @ 243-9408

LINDEN AV INTERSECTS

666 Buzzitta Providencia Mrs @ 241-2974
667 Forist Alan A @ 243-9690
700★Hoefler Carol A @
701 Jansen Geo @ 452-6678
704 Theule Theodore @ 241-2199
705 Pratt Paul E @ 243-8877
709 Stroh William V @ 241-0991
710 De Groot Otto @ 452-8003
714 Ter Horst Randall L @ 452-2203

MARTIN AV INTERSECTS

715 Steensma Carol J Mrs @ 452-1126
719 Branch Marvin E @ 241-5588
725★Miller Jim L 247-0894
726 Steegstra Mildred M @ 243-7120
729 Vermerris Perry L @ 241-5454
732 Coniglio Josephine M Mrs @ 245-8060
35 735 Kauwell Albert S @ 452-4154
738 Flietstra Jack A
739 Lavooy Jacoba Mrs @ 452-9874
745 Buzzitta Jennie Mrs @

EASTERN AV INTERSECTS

22 MARSHALL AV SE INTERSECTS

834 Vulpetti Rocky J @ 245-6433
840 Clauser Bruno J @ 243-1143
846 Devereaux James F @ 245-9485
850 Tuttle M Lynn @ 452-3742
856 Modderman Beatrice Mrs @ 245-1544
864 Dekorne David J @ 452-0756
870 Edmonds Carole N Mrs @ 452-5555
902 Westenbroek Edgar A @ 245-5833
910★Lantz Thos @ 241-1039

ALEDA AV SE ENDS

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1985	-	✓	Polk's City Directory

Mulford Drive SE

		MAI	
		OF HOM	
		TE	
		2345 Walker Rd., N.W	
		268	
	705 Pratt Paul E © 243-8877	935	
	709★Stroh William V © 241-0991	937	
	710 De Groot Otto © 452-8003	938	
	714 Ter Horst Randall L © 452-2203	941	
clng	MARTIN AV INTERSECTS	942	
	715 Steensma Caroline J Mrs © 452-1126	944	
	719 Branch Marvin E © 241-5588	945	
	725★Oakes Gregory B © 241-4849	946	
—	726 Steegstra Mildred E Mrs © 243-7120		
35	729★Edverson Roger W	RE	
	732 Coniglio Josephine M Mrs © 245-8060	RE	
	735 Kauwell Albert S © 452-4154	947	
	738 Bloem David R © 243-1737		
	739 Lavooy Jacob W © 452-9874	948	
	745 Buzzitta Jennie Mrs ©		
—	EASTERN AV INTERSECTS	RE	
22		951	
ER		20 956	
	MARSHALL AV INTERSECTS		
✓	834 Postma S Geo © 245-4833	956	
	840 Clauser Bruno J © 243-1143	956	
	846 Devereaux James F ©	956	
	850 Vacant	11	
	856 Modderman John © 245-1544	1000	
	864 Gabrielse Dennis A © 241-5747	1002	
	870 Edmonds Carole N Mrs © 452-5555	1004	
	902 Westenbroek Edgar A © 245-5833	1006	
	910 Russo Joseph M © 452-2573	1008	
	ALEDA AV ENDS	1009	
		1011	
	SAGINAW ST BEGINS	34 1014	

Street:
Mulford Drive SE

Year
1980

TP
-

Adjoining
✓

Source
Polk's City Directory

Mulford Drive SE

631 Poma Louis © 243-4026	71
637 Caswell Raymond R © 245-2074	91
643 De Boer Albert © 452-2945	900
644 Ghareeb Phillip N © CH1-0264	902
649 De Vries Simon © 243-7065	911
655 Conklin Evelyn I Mrs © CH3-4067	914
656 Vander Sloot Charles L ©	915
LINDEN AV INTERSECTS	919
666 Buzzitta Providencia Mrs	920
667 Stevens Stanley M © 452-5415	921
700 Key Steven R © 241-3537	922
701 Jansen Geo © 452-6678	
704 Vander Molen Geo A © 245-6688	925
705 Pratt Paul E © CH3-8877	929
709 Dupey Laura Mrs	
710★De Groot Otto © 452-8003	930
714 Ter Horst Randall L © 452-2203	931
MARTIN AV INTERSECTS	933
715 Steensma Caroline J Mrs © GL2-1126	935
719 Branch Marvin E © 241-5588	
725 Mc Crath J Stuart © 241-5049	937
726 Steegstra Mildred E Mrs © CH3-7120	938
729 Korreck John F © 245-0302	941
732 Coniglio Leonard © CH5-8060	
735 Kauwell Albert S © 452-4154	942
738 Vacant	944
739 Lavooy Jacob W © 452-9874	945
745 Buzzitta Frank A © 245-2087	946
EASTERN AV INTERSECTS	
	Rea
	20 Rea
MARSHALL AV INTERSECTS	947
834★Postma S Geo © 245-4833	
840 Clauser Bruno J © 243-1143	948
846 Devereaux James F ©	
850 Holmes Dorothea M © 243-6864	Rea
856 Modderman John © CH5-1544	951
864 Gabrielse Dennis A © 241-5747	956

CALMEYER

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1975	-	✓	Polk's City Directory

Mulford Drive SE

528	Alguire Thos F	© 241-0385	911
532	Highstrete Carroll M	© 245-6994	914
535	Lewis Arth E	© 243-0974	915
536★	Sytsema Robt	241-2028	916
540	Boascher Ruth K Mrs	© GL2-2593	918
541★	House Robt	452-2806	919
544	De Jonge Raymond G	© 452-6352	920
545	Baker John J	© CH3-7501	921
548	Moeller Geo T	© 245-6069	922
552	Ward Wm J	© 241-2703	
555	Holwerda Jack J	© 452-4917	925
	UNION AV INTERSECTS		928
601★	Dembinsky Jay R	© 243-6564	
613	Mc Sorley Mary A Mrs	© CH1-2307	930
619	Pound Wayne S	© 245-0221	933
625	Boes Bernard J	© CH1-5835	934
628	Smithson Roderick P		935
	WILLARD AV INTERSECTS		
631	Poma Louis	© 243-4026	937
637	Weissert Harold W	© GL2-1994	938
643	De Boer Albert	© 452-2945	941
644	Ghareeb Phillip N	© CH1-0264	
649	De Vries Simon	© 243-7065	942
655	Conklin Evelyn I Mrs	© CH3-4067	944
656★	Vander Sloot Charles	243-9408	945
	LINDEN AV INTERSECTS		946
666	Buzzitta Providenza Mrs	© CH1-2974	
667	Tilton Richd L	243-2144	Rea
700	Harrison Alvera D Mrs	© CH3-2385	Rea
701	Werkema Thos	© 452-7564	947
704★	Vander Molen Geo A	245-6688	948
705	Pratt Paul E	© CH3-8877	
709★	Duffy Michel	452-9828	Rea
710★	Lemke W J		951
714	Vacant		956
	MARTIN AV INTERSECTS		
715	Steensma Caroline J Mrs	© GL2-1126	
719	Mc Lott Dorothy Mrs	© CH3-5311	11
725	Mc Crath J Stuart	© 241-5049	1000
726	Steegstra Andrew C	© CH3-7120	1002

Street:
Mulford Drive SE

Year
1975

TP
-

Adjoining
✓

Source
Polk's City Directory

Mulford Drive SE

LAKES
Life"
Tel. 774-7111

35 729 Whitaker Jerry D
732 Coniglio Leonard © CH5-8060
735 Kauwell Albert S © 452-4154
738 Kooienga Edw © 452-7991
739 Lavooy Jacob W © 452-9874
745 Buzzitta Frank A © 245-2087
EASTERN AV INTERSECTS

22
ER

MARSHALL AV INTERSECTS

834 Ritsema Henry Jr © CH5-4924
840★Clauser Bruno J 243-1143
846 Devereaux James F © 245-9485
850 Mueller Margt Mrs © GL2-2343
856 Modderman John Jr © CH5-1544
864 Gabrielse Dennis A © 241-5747
870 Edmonds Carole N Mrs © GL2-5555
902 Westenbroek Edgar A © 245-5833
910 Weatherford Jack © 243-9423
ALEDA AV ENDS

20

NOT OPEN BETWEEN 910 & 2931
RIDGECROFT AV INTERSECTS

2925★Rottschafer Tim
2927★Falkenstein Robt G
2931 Muller Abe L © 942-9047
2936 Viraniontes Peter L 949-4357
2941 No Return
2943 Boes Donald J 949-6374
3000★Potter Robt

34

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1970	-	✓	Polk's City Directory

Mulford Drive SE

EYER & LIVINGS

**MANUFACTURERS OF MACHINE TOOLS
PRECISION GRINDING MACHINERY**

7. 49502

290

35	705 Pratt Paul E © CH3-8877	1
	709 Haga Geo © 452-6443	1
	710 Mellema Nellie © 241-3961	1
	714 Wierenga Jennie Mrs © GL2-7912	
	MARTIN AV INTERSECTS	
	715 Steensma Caroline J Mrs © GL2-1126	
	719 Mc Lott Dorothy Mrs © CH3-5311	
22	725 Mc Crath J Stuart © 241-5049	1
GER	726 Steegstra Andrew C © CH3-7120	
	729 Rademaker Kenneth H 243-1274	1
V	732 Coniglio Leonard © CH5-8060	1
	735 Matteson Arlene L Mrs © CH1-1357	
	738 Kooienga Edw © 452-7991	1
	739 No Return	
	745 Buzzitta Frank A © 241-4565	
	EASTERN AV INTERSECTS	
		10
	MARSHALL AV INTERSECTS	
		24
	834 Ritsema Henry Jr © CH5-4924	10
	840 Cogswell Lloyd R ©	10
	846 Sysling Ralph © 452-8374	10
	850 Mueller Margt Mrs © GL2-2343	10
	856 Modderman John Jr © CH5-1544	
	864 Gabrielse Dennis A © 241-5747	10
6	870 Edmonds Carl R © GL2-5555	10
	902 Westenbroek Edgar A © 245-5833	
9	910 Storm Antonetta Mrs ©	10
	ALED A AV ENDS	
		10
		10
	MUSKEGON AV NW —FROM 611 5TH	
	NORTH TO RICHMOND	
		49
		10
		10
		10
	ZIP CODE 49504	

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1966	-	✓	Polk's City Directory

Mulford Drive SE

16 ---WILLARD AV INTERSECTS
 631 PQMA LOUIS • CH3-4026
 637 WEISSERT HAROLD W • GL2-1994
 643 DE BOER ALBERT • CH1-4381
 644 GHAREEB PHILLIP N • CH1-0264
 649 SPICA JOSEPH • CH1-4372
 655 CONKLIN ROBT E • CH3-4067
 656 ROSKAM DONALD D • CH3-9059
 ---LINDEN AV INTERSECTS
 666 BUZZITTA VINCENT J • CH1-2974
 667 MING LOUISE A MRS • CH1-2924
 700 HARRISON ALVERA D MRS •
 CH3-2385
 701 WERKEMA THOS • 452-7564
 704 PYLMAN HENRY • CH5-4638
 705 PRATT PAUL E • CH3-8877
 709 HAGA GEO • GL2-6433
 710 MELLEMA NELLIE • 241-3961
 714 WIERENGA JENNIE MRS •
 GL2-7912
 22 ---MARTIN AV INTERSECTS
 715 STEENSMA CAROLINE J MRS •
 GL2-1126
 719 MC LOTT WM C • CH3-5311
 725 MC CRATH J STUART • 241-5049
 726 STEEGSTRA ANDREW C • CH3-7120
 729 KIMRAY FRANK JR 243-8912
 732 CONIGLIO LEONARD • CH5-8060
 735 MATTESON ARLENE L MRS •
 CH1-1357
 738 KODIENGA EDW • 452-7991
 739 DE HAAN MARGT MRS • 243-9830
 745 BUZZITTA FRANK A • 241-4565
 ---EASTERN AV INTERSECTS
 24
 ---MARSHALL AV INTERSECTS
 6308

WRECKING CO.
 ING MATERIALS
 npt Service
 Tel. 363-4895

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1961	-	✓	Polk's City Directory

Mulford Drive SE

sects	
666Δ Buzzitta Vincent J ©	944 V
667Δ Ming Louise A Mrs ©	945ΔB
700Δ Harrison Alvera D Mrs	946 K
©	ΔB
701Δ Erkema Thos ©	947ΔL
704Δ Pylman Henry ©	H
705Δ Pratt Paul E ©	948ΔG
709Δ Haga Geo ©	ΔS
710Δ Lenger Dewey jr ©	951ΔB
714Δ Wierenga Jennie Mrs ©	956ΔB
Martin av inter-	
sects	
715Δ Steensma Percy C ©	1000ΔM
719Δ McLott Wm C ©	ΔM
725Δ Shephard H Allen ©	1002ΔK
726Δ Steegstra Andrew C ©	
729Δ Moser Halcomb L	1004ΔW
732Δ Coniglio Leonard ©	1008ΔR
735Δ Matteson Donald R ©	M
738Δ Kooienga Edw ©	1009ΔN
739Δ Drooger Cornelius ©	
745Δ Buzzitta Frank A ©	ΔS
Eastern av inter-	
sects	
24	
Marshall av inter-	
sects	
834Δ Ritsema Henry jr ©	F
840Δ Cogswell Lloyd R ©	1017ΔSt
846Δ Faber Morris H Rev ©	1021ΔKs
850Δ Mueller Clifford D ©	
856Δ Modderman John ©	1022ΔC
864Δ Leenhouts Alvin K ©	M
870Δ Edmonds Carl R ©	1025ΔP
902Δ Zaagman Milton ©	1026ΔB
910Δ Storm Carl D ©	1029ΔGr
Aleda av ends	
	ΔGr
	1030ΔK

<u>Street:</u>	<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
Mulford Drive SE	1956	-	✓	Polk's City Directory

Mulford Drive SE

T BANKERS	
ge and Midwest Stock Exchange	
Unlisted Stocks and Bonds	
letype GRPS 466	
Bonds" — 120 Yellow Pages	
725Δ Meyers Ernest R ©	2
726Δ Steegstra Andrew	
C ©	2
729Δ Longstreet Edw P ©	2
732Δ Coniglio Leonard ©	
735Δ Matteson Donald	3
R ©	
738Δ Kooienga Edw ©	3
739Δ Drooger Cornelius	3
©	4
745Δ Buzzitta Frank A ©	5
Eastern av in-	
tersects	58
24	
Marshall av in-	
tersects	10
834Δ Ritsema Henry jr ©	102
840Δ Ondersma Jacob	104
B ©	112
Ondersma Bldrs	115
contrs	119
846Δ Faber Morris H	120
Rev ©	125
850Δ Galos Chris V ©	
856Δ Modderman John ©	126
Aleda av inter-	129
sects	130
21	

Street:
Mulford Drive SE

Year
1951

TP
-

Adjoining
✓

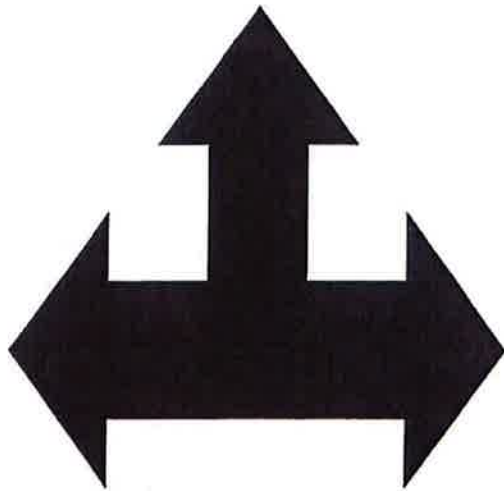
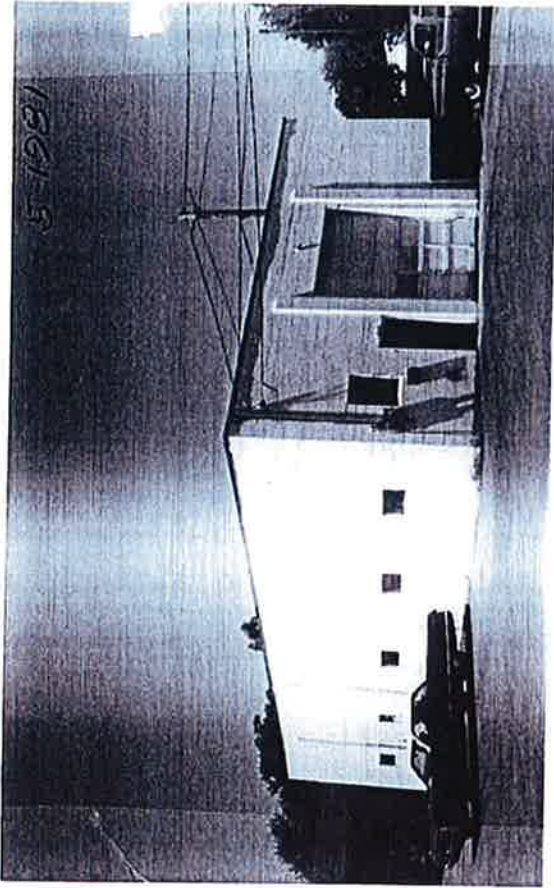
Source
Polk's City Directory

Mulford Drive SE

541ΔSager Wayne L ⑥	316Δ
544ΔBjork Arnold R ⑥	320Δ
545ΔBaker John J ⑥	326Δ
548ΔWillit Robt D ⑥	327Δ
552ΔRooks Dale ⑥	329Δ
555ΔBossler Mary B Mrs ⑥	330 I
Union av intersects	
619ΔTenbrook Joel ⑥ bkpg serv	335Δ
Linden av intersects	
666ΔBuzzita Vincent J ⑥	342Δ
667 No return	343Δ
700ΔFox Hubert R ⑥	346Δ
701ΔNicholas Norman B ⑥	347Δ
704ΔPylman Henry ⑥	349Δ
705ΔPratt Paul E ⑥	350Δ
709ΔHaga Geo ⑥	361Δ
710ΔLenger Dewey jr ⑥	
714ΔVanderGriend Cornelius A ⑥	
MURR.	
pntr	
Martin av intersects	
715ΔVersprille Maynard D ⑥	hlp)
719ΔWeatherwax John H ⑥	to St
725ΔMeyers Ernest R ⑥	four
726ΔSteegstra Andrew C ⑥	15ΔM
729ΔLongstreet Edw P ⑥	20ΔW
732ΔOlmstead Geo D ⑥	23ΔS
735ΔMatteson Donald R ⑥	28ΔD
738ΔKoolenga Edw ⑥	31ΔD
739ΔDrooger Cornelius ⑥	35ΔP
745ΔBuzzitta Frank A ⑥	39ΔS
Eastern av intersects	
(Not open bet Eastern av and	
Marshall av)	
Marshall av intersects	
856 Under construction	ΔR
Aleda av intersects	
34	
MUNGONE AV SE (East Grand	
Rapids) — From Frederick et	
south to Pasadena	
(No houses)	
Pasadena begins	
	40ΔV
	45ΔD
	47ΔR
	50ΔD
	56ΔSI
	59ΔLI
	63ΔP
	64ΔE
	67ΔNI
	114ΔZa
	115ΔKe
	116ΔW
	120ΔFr
	121ΔKe
	129ΔHa
	130ΔGr

"For a Bright Tomorrow
Don't Delay Today"

OTHER HISTORICAL RECORDS



244 Eastern

flding T+C

Mart...

18 Holes
ch... ..
pointed B



2304 #

1-1-21

APPENDIX D

INTERVIEW DOCUMENTATION
USER QUESTIONNAIRE
OWNER/OCCUPANT QUESTIONNAIRE

**PHASE I ENVIRONMENTAL ASSESSMENT (ESA)
PROPERTY OWNER/OCCUPANT QUESTIONNAIRE**

This questionnaire concerns the current and historical uses and conditions of the referenced property and will be included within the Phase I ESA report. Questionnaire answers should be based upon the owner/occupant's reasonable knowledge of current and historical use and activities at the property.

Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: 2445 Eastern Avenue SEProperty Location: 2445 Eastern Avenue SECounty: Kent State: MichiganQuestionnaire Completed By/Title: LINDA PETERSON / OWNER (MRS.)Company/ Phone Number: 516-245-1421

On Behalf Of (if applicable): _____

Year of Purchase/Lease (circle one): 2004Time Period of Site Knowledge: 2004 - 2011

Names Phone Numbers of Former Owners Occupants:

Owners: Phoebe Bank 616-771-7013Occupants: Brian Peterson 616-862-1498

Names Phone Numbers of other persons who have knowledge of property history: _____

Property Description and Use

1. Provide a general description of the property:

Undeveloped Vacant Wooded ☒ Buildings Other

2. Describe the structures present on the property (number, size, and construction date):

one, approximately 40' x 100' single building
at the parking lot and landscaping. discussed to you
in site visit.

3. Identify utilities available to the property (check box and indicate provider):

- ☒ Electric: Michcon
☒ Gas: DTE
☒ Sanitary Sewer: Grand Rapids
☒ Storm Sewer: Grand Rapids
☒ Municipal Water: Grand Rapids

4. Are there any easements at the property?:

☒ Yes ☐ No

If yes, where are the easements located?: bank driveway for access

5. To the best of your knowledge, identify if the following were formerly (F) or are currently (C) present on the property. Select NA if not applicable to the property.

F	C	<u>NA</u>	On-site water supply wells
F	C	<u>NA</u>	Septic fields, drain fields, or dry wells
F	C	<u>NA</u>	Abandoned wells
F	C	<u>NA</u>	Lagoons, settling ponds
F	C	<u>NA</u>	Monitoring wells
F	C	<u>NA</u>	Underground sumps, lines, basins, or tanks
F	C	<u>NA</u>	Aboveground storage tanks (ASTs)
F	C	<u>NA</u>	Transformers or capacitors
F	C	<u>NA</u>	Other PCB containing equipment
F	C	<u>NA</u>	Mines or pits
F	C	<u>NA</u>	Hidden chemical materials or wastes
F	C	<u>NA</u>	Dumps or landfills
F	C	<u>NA</u>	Oil or gas wells or test holes
F	C	<u>NA</u>	Unusual fill areas, such as foundry sand, etc.
F	C	<u>NA</u>	Barrel or drum storage areas

6. What is the general use of property:

☐ Industrial ☒ Commercial ☐ Residential ☐ Other

7. What products/services are produced/provided at the property?: photography studio

8. What type of on-site processes are used at the property?: none

9. What types of equipment are used at the property?: none

10. What raw materials are used at the property?: none

SME Project No. GE62891-03

11. Are there any environmental permits (e.g. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.) associated with the property?:

☐ Yes ☒ No

If yes, list the applicable permit(s): _____

Property and Adjoining Properties - Current and Historical Use

12. Are there any liquid or solid wastes generated at the property?

☐ Yes ☒ No ☐ Unknown

If yes, please list the monthly volume generated and explain disposal method: _____

13. Is the property or any adjoining property currently used for an industrial use?

☐ Yes ☒ No ☐ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly: _____

14. Is the property or any adjoining property currently used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☐ Yes ☒ No ☐ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly: _____

Please complete the current land use table below:

	Name/Owner	Land Use
Property		
North adjoining properties	residential/parking lot	
South adjoining properties	residential	
East adjoining properties	Chase Bank	Bank
West adjoining properties	residential	

15. Has the property or any adjoining property been used for an industrial use in the past?

☐ Yes ☒ No ☐ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly: _____

16. Has the property or any adjoining property historically been used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☐ Yes ☒ No ☐ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly: _____

Please complete the historical land use table below:

	Owner	Use	Dates
Previous use of Property	Brian Berstrom	Vending Machine Company	Unknown
Previous use of properties to north	unknown		
Previous use of properties to south	unknown		
Previous use of properties to east	unknown		
Previous use of properties to west	unknown		

Current and Historical Property Conditions

17. Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals (individual containers greater than 5 gallons or greater than 50 gallons total) stored on or used at the property or at the facility?

☐ Yes ☒ No ☐ Unknown

If yes, explain briefly: _____

18. Are there currently, or have there been previously, any industrial drums (typically 55-gallon) or sacks of chemicals stored on the property or at the facility?

Yes ☒ No Unknown

If yes, describe the chemicals stored on the property (volume, contents and dates of storage):

19. Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried, and/or burned/incinerated on the property?

Yes ☒ No Unknown

If yes, identify the location and date(s):

20. Are there currently, or have there been previously, any registered or unregistered storage tanks (aboveground or underground) located on the property?

Yes ☒ No Unknown

If yes, identify the location, date(s) of use, and date(s) of removal (if applicable):

21. Are there currently, or have there been previously, any vent pipes, fill pipes protruding from the ground, areas of patched concrete or asphalt, or access ways indicating an underground storage tank on the property?

Yes ☒ No Unknown

If yes, identify the location:

22. Are there transformers, capacitors, or hydraulic equipment on the property?

Yes ☒ No Unknown

If yes, are there any records indicating the presence of PCBs?:

23. Is there currently, or has there been previously, any stained soil on the property?

Yes ☒ No Unknown

If yes, identify the location of the stained soil and date(s) it was present on the property:

24. Has fill dirt been brought onto the property that is of unknown origin? Has fill dirt been brought onto the property that originated from a contaminated site?

Yes ☒ No ☐ Unknown ☐

If yes, identify the date and location of fill placement: _____

25. Are there currently, or have there been previously, any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?

Yes ☐ No ☒ Unknown ☐

If yes, identify the location and dates: _____

26. Are there currently, or have there been previously, any pits, ponds, or lagoons associated with waste treatment or disposal located on the property?

Yes ☐ No ☒ Unknown ☐

If yes, identify the location and dates: _____

27. Excluding storm water and sanitary waste discharge into an existing storm sanitary sewer, does the property discharge wastewater on or adjacent to the property?

Yes ☐ No ☒ Unknown ☐

If yes, describe the type of wastewater and identify discharge location: _____

28. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed applicable guidelines? Has the well been designated as contaminated by any government environmental health agency?

Yes ☐ No ☒ Unknown ☐

If yes, identify the contaminants and dates of exceedances: _____

Previously Identified Environmental Conditions

29. Have you been informed of the current or past existence of hazardous substances, petroleum products, or environmental violations with respect to the property or any facility located on the property?

Yes

☒ No

Unknown

If yes, briefly explain: _____

30. Do you have any knowledge of any environmental site assessment of the property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property?

Yes

☒ No

Unknown

If yes, briefly explain: _____

31. If the property is in Michigan, has a Baseline Environmental Assessment (BEA) been prepared for the property?

Yes

☐ No☒ Unknown

If yes, briefly explain: _____

32. Do you know of any pending, threatened, or past lawsuits or administrative proceedings concerning the release of any hazardous substances or petroleum products involving the property or any facility located on the property?

Yes

☒ No

Unknown

If yes, briefly explain: _____

33. Do you have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

Yes

☒ No

Unknown

If yes, briefly explain: _____

SME Project No. GE62891-03

34. Are you aware of any activity and land use limitations (engineering controls or institutional controls/land use restrictions) that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Yes

☒ No

Unknown

If yes, identify limitation/restriction: _____

Linda Pennington _____
Printed Name

Linda Pennington _____
Signature

Linda Pennington Associates, Inc. _____
Company

Member _____
Title

6-19-2003 _____
Date

PHASE I ENVIRONMENTAL ASSESSMENT – ALL APPROPRIATE INQUIRY USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments to CERCLA), the User of a Phase I Environmental Site Assessment (ESA) must consider the issues discussed below as part of the User's All Appropriate Inquiry (AAI) to identify Recognized Environmental Conditions (RECs) associated with the Property. This information should be provided to the Environmental Professional conducting the Phase I ESA so that a complete report can be issued.

The User may decide not to provide this information to the Environmental Professional; however, the absence of the information will be noted in the Phase I ESA report and may affect assessment conclusions. Under these circumstances, it will be the User's responsibility to determine if the Phase I ESA results, combined with results from the tasks described below, is sufficient to satisfy the requirements of All Appropriate Inquiry as defined by federal statute and regulation.

Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: 2445 EASTERN AVENUE, SE

Property Location: 2445 EASTERN AVENUE, SE, GRAND RAPIDS, MI

County: KENT State: MICHIGAN

Questionnaire Completed By/Title: Fred Mackra2

Company/ Phone Number: Mackra2 Law / 616-235-4000

On Behalf Of (if applicable): _____

Planned Date of Purchase/Lease (circle one): Roughly August 1

Time Period of Site Knowledge: 1 month

1. Reason for Phase I ESA

The User of the requested Phase I ESA must make the reason for the Phase I ESA known to the Environmental Professional. Otherwise, it must be assumed that the reason is to qualify for an LLP to CERCLA liability. Please indicate the reason for this Phase I ESA of the Property.

- ☒ Due diligence/liability protection for purchase of the Property
- ☐ Due diligence/liability protection for lease of the Property
- ☐ Mortgage loan or refinance
- ☐ Foreclosure
- ☐ Other; explain _____

2. Recorded Environmental Cleanup Liens and Activity/Use Limitations

The User is responsible to ascertain, through personal knowledge and/or a review of reasonably ascertainable recorded land and judicial records, if any environmental liens have been filed on the Property and if any activity or use limitations (AULs) have been placed on the Property because of environmental impact. You may engage a title company or other capable professional to undertake the review of reasonably ascertainable records on your behalf.

Have you conducted, or arranged to have conducted, a review of land title records in which recorded liens and activity/use restrictions would be revealed?

☐ Yes

☒ No → will do title search
for title insurance incident to sale

If yes, please specify who conducted the review: _____

If yes, please specify the types and locations of records reviewed: _____

Based on your personal knowledge and reviews of title records, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes

☒ No

If yes, explain briefly: _____

Based on your personal knowledge and reviews of title records, are you aware of any activity and/or use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

☐ Yes ☒ No

If yes, identify the land use limitations/restrictions: _____

3. Specialized Knowledge and Experience

Any specialized knowledge or experience of the User that could indicate, or create suspicion of, the presence environmental contamination on the Property must be considered as part of the AAI process. Specialized knowledge or experience includes familiarity with historic activities on the Property that could result in environmental impact, personal knowledge or experience that would indicate a risk of environmental impact associated with past Property uses, knowledge of the environmental history of the Property, and any other information that could indicate environmental impact or threat of environmental impact on the Property.

As the User of this environmental site assessment, do you have any specialized knowledge or experience related to the Property or adjoining properties?

☐ Yes ☒ No

If yes, explain briefly: _____

4. Relationship of Purchase Price to Value

Historically, environmentally contaminated properties often have been sold at prices below market value to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a property's sale price is significantly below market value without any obvious impairments or reasons for the reduced price, the potential for environmental impact as a cause of the reduced price must be evaluated.

Does the purchase price being paid for this Property reasonably reflect the fair market value of the property?

☒ Yes ☐ No

If there is a significant negative difference, can you identify the reason for the reduced price versus value? If "No" the Property may be assumed to be contaminated.

N/A ☐ Yes ☐ No

If yes, explain briefly: _____

5. Commonly Known or Reasonably Ascertainable Information

Have you become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated (e.g. types of past uses, presence of storage tanks, use of chemicals, environmental cleanups, etc.) or that any past event (e.g. fire, chemical spill, accident, etc.) could have resulted in environmental impact of the Property or adjoining properties.

☐ Yes ☒ No

If yes, explain briefly: _____

6. Proceedings Involving the Property

Do you, the User of this environmental site assessment, based on your knowledge and experience related to the property, have any knowledge of any of the following:

- Pending, threatened, or past litigation related to hazardous substances or petroleum products in, on or arising from the Property?

☐ Yes ☒ No

If yes, explain briefly: _____

- Pending, threatened, or past administrative proceedings related to hazardous substances or petroleum products in, on or arising from the Property?

☐ Yes ☒ No

If yes, explain briefly: _____

- Notices from any governmental entity regarding any possible violation of environmental laws or regulations or possible liability relating to hazardous substances or petroleum products in, on or arising from the Property?

☐ Yes ☒ No

If yes, explain briefly: _____

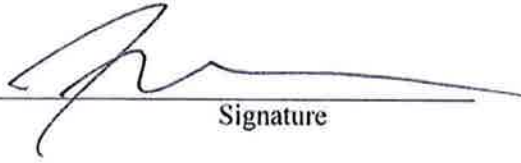
SME Project No. GE62891-03

Fred Mackra2

Printed Name

6/16/2011

Date


Signature

APPENDIX E

REGULATORY RECORDS DOCUMENTATION

2445 Eastern Avenue SE

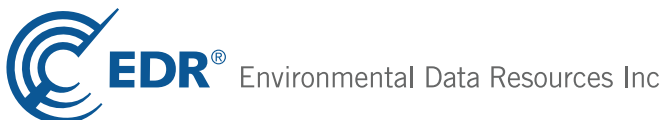
2445 Eastern Avenue SE

Grand Rapids, MI 49507

Inquiry Number: 3096499.2s

June 15, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	30
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-20

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2445 EASTERN AVENUE SE
GRAND RAPIDS, MI 49507

COORDINATES

Latitude (North):	42.918500 - 42° 55' 6.6"
Longitude (West):	85.648300 - 85° 38' 53.9"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	610324.2
UTM Y (Meters):	4752436.0
Elevation:	681 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision:	1996

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2006, 2005
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Facilities
HIST LF..... Inactive Solid Waste Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Clandestine Drug Lab Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System

EXECUTIVE SUMMARY

MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database
WDS.....	Waste Data System
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2011 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GKB INC	2414 1/2 EASTERN AVE SE	NNE 0 - 1/8 (0.097 mi.)	1	7

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 05/02/2011 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
727 28TH STREET SE Facility Status: Interim Response conducted - No further activities anticipated	727 28TH STREET SE	S 1/4 - 1/2 (0.393 mi.)	7	14

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 02/22/2011 has revealed that there are 12 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STOP-N-GO #1012 Facility Status: Open	2355 EASTERN AVE SE	NNE 1/8 - 1/4 (0.154 mi.)	A3	9
ALGER & EASTERN GAS CITY INC Facility Status: Closed	2354 EASTERN SE	NNE 1/8 - 1/4 (0.156 mi.)	A4	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TEXACO STATION (FORMER) Facility Status: Open Facility Status: Open	749-28TH STREET SE	S 1/4 - 1/2 (0.391 mi.)	B6	13
FORMER CHECKER GAS STATION Facility Status: Open	808 28TH STREET SE	S 1/4 - 1/2 (0.398 mi.)	C9	14
AUTO GLASS SPECIALISTS Facility Status: Open	805 28TH ST SE	S 1/4 - 1/2 (0.399 mi.)	C10	15
BETTEN IMPORTS Facility Status: Open	830 28TH ST SE	SSE 1/4 - 1/2 (0.402 mi.)	C11	16
DAN LIQUIDATION INC Facility Status: Closed	613 28TH ST SE	SSW 1/4 - 1/2 (0.423 mi.)	D13	18
WOODY'S CANE STOP Facility Status: Closed	730 28TH STREET SE	S 1/4 - 1/2 (0.428 mi.)	14	19

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
76 GAS STATION Facility Status: Closed	910 28TH ST SE	SSE 1/4 - 1/2 (0.437 mi.)	E16	21
VOS MOWER SALES INC Facility Status: Open	925 28TH ST SE	SSE 1/4 - 1/2 (0.445 mi.)	E17	23
DUTHLER FORD SALES INC Facility Status: Closed	555 28TH ST SE	SSW 1/4 - 1/2 (0.453 mi.)	19	24
SOUTHLAND TWO INC Facility Status: Open	1000 28TH ST SE	SE 1/4 - 1/2 (0.498 mi.)	20	27

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 02/22/2011 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALGER & EASTERN GAS CITY INC	2354 EASTERN SE	NNE 1/8 - 1/4 (0.156 mi.)	A4	9

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/05/2011 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DAN LIQUIDATION, INC.	613 28TH ST SE	SSW 1/4 - 1/2 (0.423 mi.)	D12	18

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 05/05/2011 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAPID PATTERN & PLASTICS INC	2935 MADISON SE	SW 1/2 - 1 (0.734 mi.)	21	29

EXECUTIVE SUMMARY

Other Ascertainable Records

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 02/25/2011 has revealed that there are 6 BEA sites within approximately 0.5 miles of the target property.

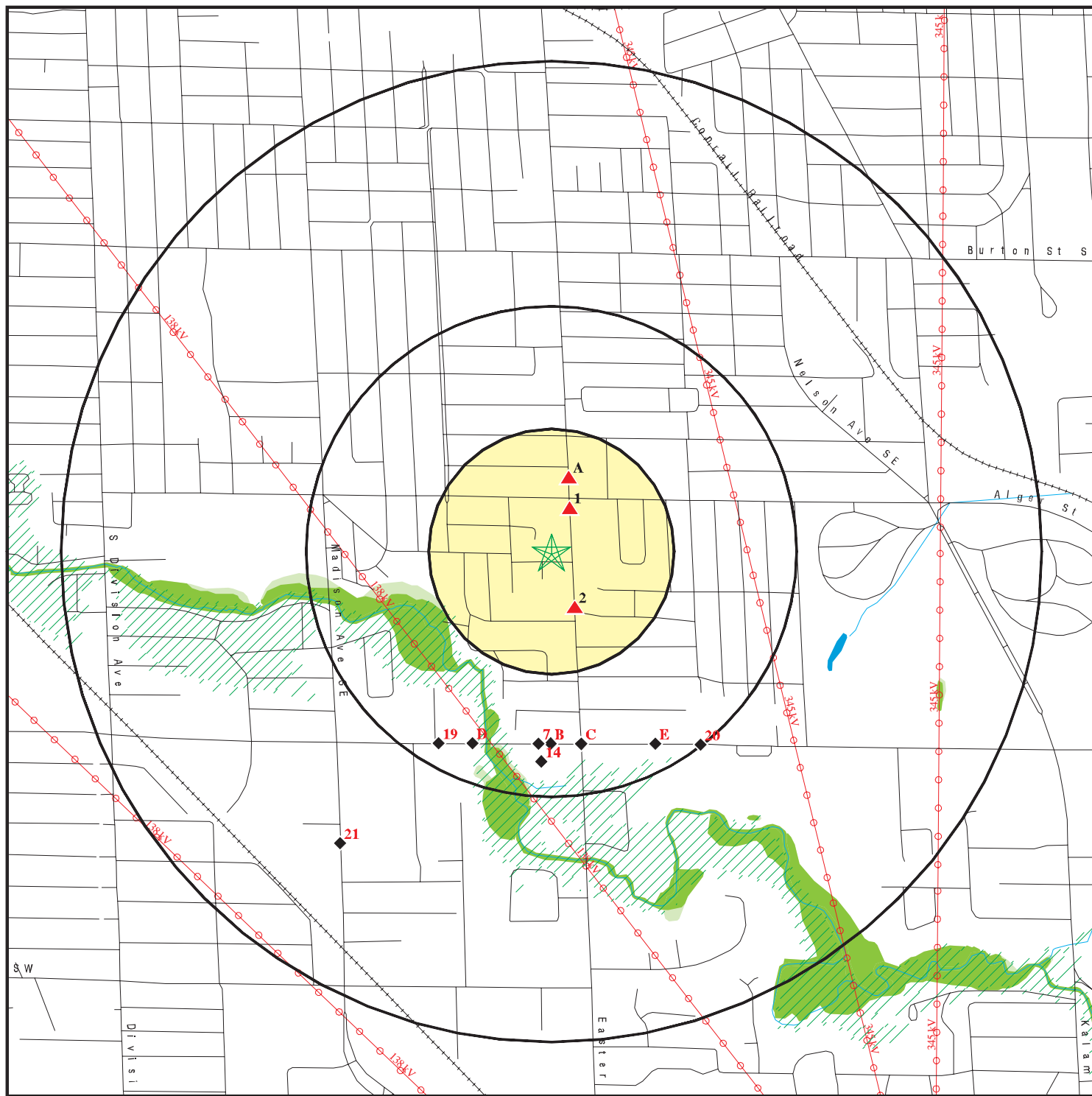
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
2550 EASTERN AVENUE SE	2550 EASTERN AVENUE SE	SSE 0 - 1/8 (0.122 mi.)	2	8
ALGER & EASTERN GAS CITY INC	2354 EASTERN SE	NNE 1/8 - 1/4 (0.156 mi.)	A4	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
749 - 28TH STREET SE	749 - 28TH STREET SE	S 1/4 - 1/2 (0.391 mi.)	B5	13
28TH & EASTERN AVE.	28TH & EASTERN AVE.	S 1/4 - 1/2 (0.397 mi.)	C8	14
BURGER KING RESTAURANT #408	600 28TH STREET SE	SSW 1/4 - 1/2 (0.431 mi.)	D15	20
925 28TH STREET SE	925 28TH STREET SE	SSE 1/4 - 1/2 (0.445 mi.)	E18	23

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 38 records.

Site Name	Database(s)
O'DELLS GAS CITY, EASTERN AVE.	AUL
6025 & 6035 28TH STREET SE	SHWS, BEA
GENEVA TOWNSHIP LANDFILL	SHWS
68TH. ST. & DIVISION AREA	SHWS, DEL SHWS
BERKEY STREET AREA	SHWS
ERB LUMBER	SHWS
AUTOSTYLE PLASTICS, INC. (FORMER)	SHWS
ENVIRONMENTAL CONTROL SERVICES	SHWS
APPROVED INDUSTRIAL REMOVAL	CERC-NFRAP
PARKER MOTOR FREIGHT	LUST, UST
PRECISION AEROSPACE CORPORATION	RCRA-SQG
QUALITY SERVICE EXPRESS INCORPORAT	RCRA-NonGen
5299 EASTEN SE	ERNS
1144 & 1146 WEALTHY STREET SE	BEA
1401 & 1403 MADISON AVENUE SE	BEA
2057 / 2059 SOUTH DIVISION AVENUE	BEA
233 & 235 MONROE AVENUE SW	BEA
250 & 259 COMMERCE AVENUE SW	BEA
334 & 350 IONIA AVENUE SW	BEA
408 & 418 SOUTH DIVISION AVENUE	BEA
459 & 470 MARKET AVENUE SW	BEA
470 & 475 MARKET AVENUE SW	BEA
754 & 756 BURTON STREET SE	BEA
900 & 912 WEALTHY STREET SE	BEA
209 AND 217 SOUTH DIVISION AVENUE	BEA
900 AND 912 WEALTHY STREET SE	BEA
100-300 BLOCK OF WINTER AVENUE NW	BEA
7915 S. DIVISION AVENUE	BEA
4211 SOUTH DIVISION AVENUE	BEA
1325 EDNA STREET SE	BEA
336 STRAIGHT AVENUE	BEA
FRONT AVENUE NW, (1.27 ACRE SITE)	BEA
201 IONIA AVENUE	BEA
APPROVED INDUSTRIAL REMOVAL	BEA
1445-1467 (ODD) FULLER AVENUE SE	BEA
1540 STEEL AVENUE (1520 STEELE AVE	BEA
2841 DIVISION AVENUE SW	BEA
COIT AVENUE GRAVEL CO., INC.	MINES

OVERVIEW MAP - 3096499.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

⚙ Manufactured Gas Plants

☒ National Priority List Sites

☒ Dept. Defense Sites

☒ Indian Reservations BIA

⚡ Power transmission lines

⚡ Oil & Gas pipelines

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

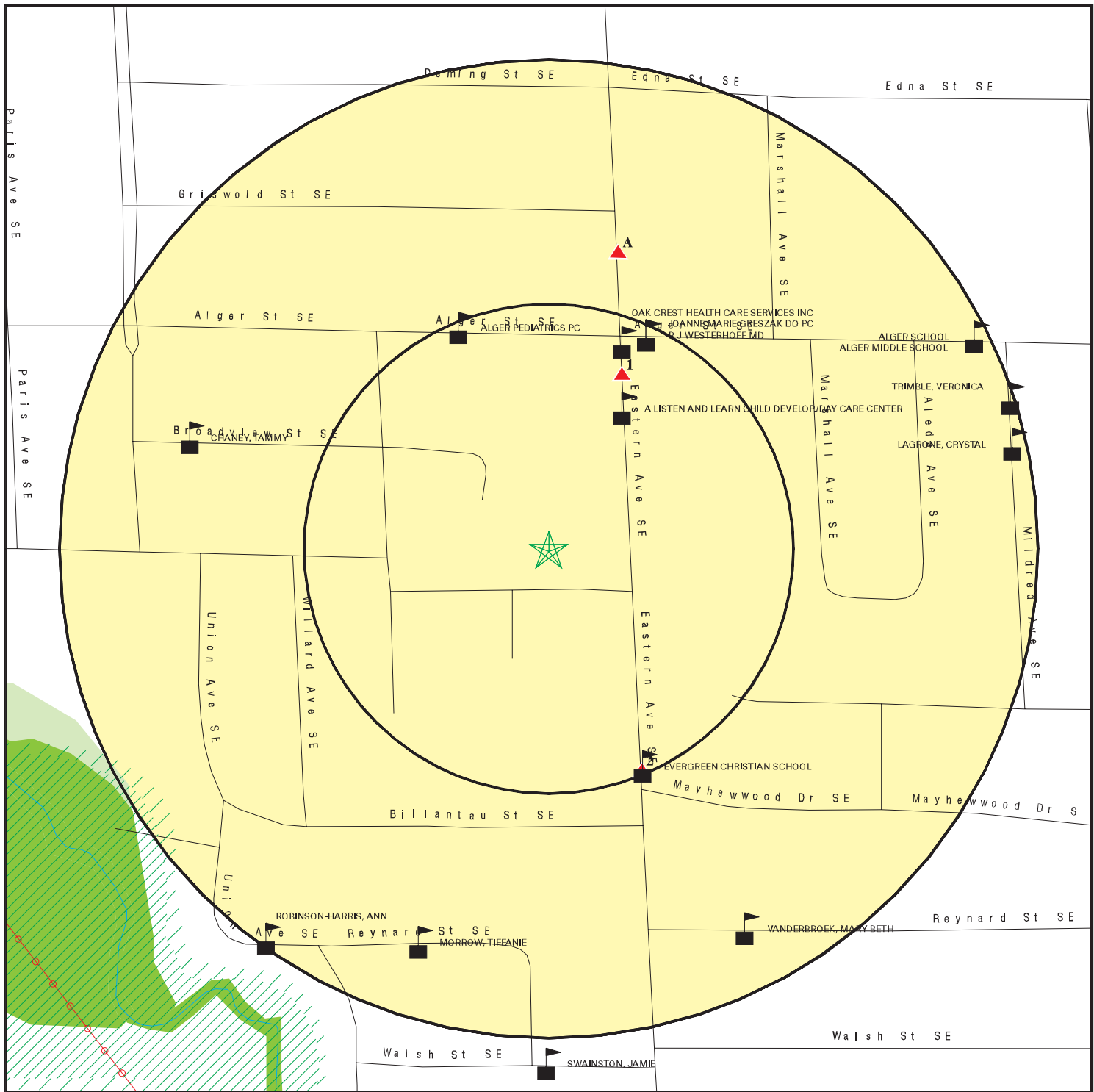
■ State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2445 Eastern Avenue SE
ADDRESS: 2445 Eastern Avenue SE
Grand Rapids MI 49507
LAT/LONG: 42.9185 / 85.6483

CLIENT: Soil & Materials Engineers Inc
CONTACT: Brian S. Trent
INQUIRY #: 3096499.2s
DATE: June 15, 2011 3:58 pm

DETAIL MAP - 3096499.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚒 National Priority List Sites
- 🏢 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- ⚡ Power transmission lines
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2445 Eastern Avenue SE
 ADDRESS: 2445 Eastern Avenue SE
 Grand Rapids MI 49507
 LAT/LONG: 42.9185 / 85.6483

CLIENT: Soil & Materials Engineers Inc
 CONTACT: Brian S. Trent
 INQUIRY #: 3096499.2s
 DATE: June 15, 2011 3:59 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	1	0	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	0	1	0	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	0	2	10	NR	NR	12
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	0	1	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL		0.500	0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS		0.500	0	0	1	NR	NR	1
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	1	NR	1
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
WDS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	1	1	4	NR	NR	6
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000	0	0	0	0	NR	0
-------------------------	-------	---	---	---	---	----	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

1
NNE
< 1/8
0.097 mi.
513 ft.

GKB INC
2414 1/2 EASTERN AVE SE
GRAND RAPIDS, MI 49507

RCRA-CESQG **1010785165**
MIK531831758

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 05/23/2007

Facility name: GKB INC

Facility address: 2414 1/2 EASTERN AVE SE
GRAND RAPIDS, MI 49507

EPA ID: MIK531831758

Mailing address: 2408 EASTERN AVE SE
GRAND RAPIDS, MI 49507

Contact: BILL DEJONG

Contact address: 2414 1/2 EASTERN AVE SE
GRAND RAPIDS, MI 49507

Contact country: US

Contact telephone: (616) 322-5876

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: RICK DEYOUNG

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 08/01/2002

Owner/Op end date: Not reported

Owner/operator name: BILL DEJONG

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 08/01/2002

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GKB INC (Continued)

1010785165

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

2
SSE
< 1/8
0.122 mi.
647 ft.

2550 EASTERN AVENUE SE
2550 EASTERN AVENUE SE
GRAND RAPIDS, MI 49507

BEA S106096622
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 2165
District: Grand Rapids
Date Received: 2007-10-05 00:59:00
Submitter Name: Tabernacle Holding LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: knoerrp
Division Assigned: Environmental Response Division

Actual:
682 ft.

Secondary Address: Not reported
BEA Number: 1331
District: Grand Rapids
Date Received: 2003-12-05 00:59:00
Submitter Name: Fifth Third Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: obrient1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

2550 EASTERN AVENUE SE (Continued)

S106096622

Division Assigned: Environmental Response Division

A3
NNE
1/8-1/4
0.154 mi.
814 ft.
STOP-N-GO #1012
2355 EASTERN AVE SE
GRAND RAPIDS, MI 49507
Site 1 of 2 in cluster A

LUST **S102726133**
N/A

Relative:
Higher

LUST:

Actual:
684 ft.

Facility ID: 50000321
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Grand Rapids District Office
Site Name: Stop N Go #1012 Eastern/alger
Latitude: 42.9205670000
Longitude: -85.6476930000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1162-89
Release Date: Dec 18 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

A4
NNE
1/8-1/4
0.156 mi.
824 ft.
ALGER & EASTERN GAS CITY INC
2354 EASTERN SE
GRAND RAPIDS, MI 49544
Site 2 of 2 in cluster A

LUST **U003327497**
UST **N/A**
BEA

Relative:
Higher

LUST:

Actual:
684 ft.

Facility ID: 00000399
Source: STATE OF MICHIGAN
Owner Name: Alger & Eastern Gas City Inc
Owner Address: 914 Kusterer Dr NW
Owner City,St,Zip: Grand Rapids, MI 49544-3606
Owner Contact: Not reported
Owner Phone: (616) 453-5036
Country: USA
District: Grand Rapids District Office
Site Name: Alger & Eastern Gas City Inc
Latitude: 42.9205950000
Longitude: -85.6473190000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALGER & EASTERN GAS CITY INC (Continued)

U003327497

Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0245-98
Release Date: Apr 16 1998
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Feb 16 2001

UST:

Facility ID: 00000399
Facility Type: CLOSED
Latitude: 42.9205950000
Longitude: -85.6473190000
Owner Name: Alger & Eastern Gas City Inc
Owner Address: 914 Kusterer Dr NW
Owner City,St,Zip: Grand Rapids, MI 49544-3606
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 453-5036
Contact: BERNARD BACON
Contact Phone: (616) 453-5036
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Not reported
Product: Gasoline
Remove Date: Oct 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Not reported
Product: Gasoline
Remove Date: Oct 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALGER & EASTERN GAS CITY INC (Continued)

U003327497

Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Not reported
Product: Gasoline
Remove Date: Oct 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: Mar 13 1976
Product: Gasoline
Remove Date: Oct 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 3000
Install Date: Mar 13 1976
Product: Diesel
Remove Date: Oct 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: **Closed in Ground**
Capacity: 3000
Install Date: Mar 13 1976
Product: Gasoline
Remove Date: Dec 1 1998
Tank Release Detection: Groundwater Monitoring, Inventory Control, Manual Tank Gauging, Vapor Monitoring
Pipe Realease Detection: GroundWater Monitoring, Vapor Monitoring
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALGER & EASTERN GAS CITY INC (Continued)

U003327497

Impressed Device: Yes

Tank ID: 7

Tank Status: **Removed from Ground**

Capacity: 10000

Install Date: Mar 13 1986

Product: Gasoline

Remove Date: Dec 1 1998

Tank Release Detection: Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Vapor Monitoring

Pipe Realease Detection: GroundWater Monitoring,Vapor Monitoring

Piping Material: Galvanized Steel

Piping Type: Suction: No Valve At Tank

Constr Material: Cathodically Protected Steel

Impressed Device: Yes

Tank ID: 8

Tank Status: **Removed from Ground**

Capacity: 2000

Install Date: Mar 13 1986

Product: Kerosene

Remove Date: Dec 1 1998

Tank Release Detection: Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Vapor Monitoring

Pipe Realease Detection: GroundWater Monitoring,Vapor Monitoring

Piping Material: Galvanized Steel

Piping Type: Suction: No Valve At Tank

Constr Material: Cathodically Protected Steel

Impressed Device: Yes

Tank ID: 9

Tank Status: **Removed from Ground**

Capacity: 6000

Install Date: Mar 13 1976

Product: Gasoline

Remove Date: Dec 1 1998

Tank Release Detection: Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Vapor Monitoring

Pipe Realease Detection: GroundWater Monitoring,Vapor Monitoring

Piping Material: Galvanized Steel

Piping Type: Suction: No Valve At Tank

Constr Material: Cathodically Protected Steel

Impressed Device: Yes

BEA:

Secondary Address: Not reported

BEA Number: 495

District: Grand Rapids

Date Received: 1999-01-19 00:00:00

Submitter Name: City of Grand Rapids

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALGER & EASTERN GAS CITY INC (Continued)

U003327497

Reviewer: colons
Division Assigned: Storage Tank Division

B5
South
1/4-1/2
0.391 mi.
2065 ft.

749 - 28TH STREET SE
749 - 28TH STREET SE
GRAND RAPIDS, MI

Site 1 of 2 in cluster B

BEA S104909514
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 11
District: Grand Rapids
Date Received: 1995-09-25 00:00:00
Submitter Name: Jean M Stanley Trust
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

Actual:
659 ft.

B6
South
1/4-1/2
0.391 mi.
2065 ft.

TEXACO STATION (FORMER)
749-28TH STREET SE
GRAND RAPIDS, MI 74119

Site 2 of 2 in cluster B

LUST S105213685
N/A

Relative:
Lower

LUST:
Facility ID: 00032881
Source: STATE OF MICHIGAN
Owner Name: Texaco Refining & Marketing Inc
Owner Address: 1437 S Boulder Ave
Owner City,St,Zip: Tulsa, OK 74119-3607
Owner Contact: R Warren Lucy
Owner Phone: (918) 560-7532
Country: USA
District: Grand Rapids District Office
Site Name: Texaco Station (former)
Latitude: 42.9129030000
Longitude: -85.6488610000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
659 ft.

Leak Number: C-0713-00
Release Date: Jul 21 2000
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-4171-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO STATION (FORMER) (Continued)

S105213685

Release Date: Jun 6 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

7
South
1/4-1/2
0.393 mi.
2073 ft.

727 28TH STREET SE
727 28TH STREET SE
GRAND RAPIDS, MI 49509

SHWS S108228838
N/A

Relative:
Lower

SHWS:

Facility ID: 41000801
Facility Status: Interim Response conducted - No further activities anticipated
Source: Unknown
SAM Score: 39
SAM Score Date: 1/31/2005
Township: 6N
Range: 11W
Section: 7
Quarter: SE
Quarter/Quarter: SE
Pollutants: Benzene; Ethylbenzene; Naphthalene; Toluene; Xylenes

Actual:
659 ft.

C8
South
1/4-1/2
0.397 mi.
2095 ft.

28TH & EASTERN AVE.
28TH & EASTERN AVE.
GRAND RAPIDS, MI

BEA S104911893
N/A

Site 1 of 4 in cluster C

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 685
District: Grand Rapids
Date Received: 2000-03-16 00:00:00
Submitter Name: CVS Corporation
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: colons
Division Assigned: Storage Tank Division

Actual:
664 ft.

C9
South
1/4-1/2
0.398 mi.
2101 ft.

FORMER CHECKER GAS STATION
808 28TH STREET SE
GRAND RAPIDS, MI 49546

LUST S106425829
N/A

Site 2 of 4 in cluster C

Relative:
Lower

LUST:

Facility ID: 00041557
Source: STATE OF MICHIGAN
Owner Name: Betten Imports Inc
Owner Address: 5901 28th Street Se
Owner City,St,Zip: Grand Rapids, MI 49546
Owner Contact: Not reported

Actual:
665 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CHECKER GAS STATION (Continued)

S106425829

Owner Phone: (616) 301-2100
Country: USA
District: Grand Rapids District Office
Site Name: Former Checker Filling Station
Latitude: 42.9128520000
Longitude: -85.6469330000
Date of Collection: 07-03-2006
Method of Collection: Interpolation-Map
Accuracy: 15
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Not reported

Leak Number: C-0237-04
Release Date: Jun 4 2004
Substance Released: Gasoline,Waste Oil
Release Status: Open
Release Closed Date: Not reported

C10
South
1/4-1/2
0.399 mi.
2105 ft.

AUTO GLASS SPECIALISTS
805 28TH ST SE
GRAND RAPIDS, MI 49508

LUST **U003868712**
N/A

Site 3 of 4 in cluster C

Relative:
Lower

LUST:

Actual:
665 ft.

Facility ID: 50005145
Source: STATE OF MICHIGAN
Owner Name: Auto Glass Specialists
Owner Address: 1200 John Q Hammons Dr Ste 200
Owner City,St,Zip: Madison, WI 53717-1967
Owner Contact: Not reported
Owner Phone: 608-827-0101
Country: USA
District: Grand Rapids District Office
Site Name: Auto Glass Specialists
Latitude: 42.9132910000
Longitude: -85.6474990000
Date of Collection: 10-05-2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0003-02
Release Date: Dec 21 2001
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C11
SSE
1/4-1/2
0.402 mi.
2125 ft.

BETTEN IMPORTS
830 28TH ST SE
GRAND RAPIDS, MI 49508

Site 4 of 4 in cluster C

RCRA-NonGen
FINDS
LUST

1000172108
MID041407222

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 12/31/2003

Facility name: BETTEN IMPORTS

Facility address: 830 28TH ST SE
GRAND RAPIDS, MI 49508

EPA ID: MID041407222

Contact: MARTY KUYPERS

Contact address: 830 28TH ST SE
GRAND RAPIDS, MI 49508

Contact country: US

Contact telephone: (616) 301-2100

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2004

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2004

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BETTEN IMPORTS (Continued)

1000172108

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/20/2003
Facility name: BETTEN IMPORTS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/15/1986
Facility name: BETTEN IMPORTS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/27/2004
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003593308

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00003238
Source: STATE OF MICHIGAN
Owner Name: Betten Imports
Owner Address: 830 28th St SE
Owner City,St,Zip: Grand Rapids, MI 49508-1306

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BETTEN IMPORTS (Continued)

1000172108

Owner Contact: Not reported
Owner Phone: (616) 241-2671
Country: USA
District: Grand Rapids District Office
Site Name: Betten Imports
Latitude: 42.9126020000
Longitude: -85.6458530000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0186-90
Release Date: Jan 26 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

**D12
SSW
1/4-1/2
0.423 mi.
2231 ft.**

**DAN LIQUIDATION, INC.
613 28TH ST SE
GRAND RAPIDS, MI**

**BROWNFIELDS S107136078
N/A**

Site 1 of 3 in cluster D

**Relative:
Lower**

BROWNFIELD:
Facility ID: 00036946
Region: 1
Status: Closed LP
Property Use: Not reported
Use at Time of Listing: Not reported
BEA: No
Ernie Id Number: 41000631
Redevelop Status: Not reported

**Actual:
656 ft.**

**D13
SSW
1/4-1/2
0.423 mi.
2231 ft.**

**DAN LIQUIDATION INC
613 28TH ST SE
GRAND RAPIDS, MI 49548**

**LUST U001148326
UST N/A**

Site 2 of 3 in cluster D

**Relative:
Lower**

LUST:
Facility ID: 00036946
Source: STATE OF MICHIGAN
Owner Name: Dan Liquidation Inc
Owner Address: 720 3 Mile Rd NW
Owner City,St,Zip: Grand Rapids, MI 49544-8214
Owner Contact: Not reported
Owner Phone: (616) 784-4000
Country: USA
District: Grand Rapids District Office
Site Name: Granny's Kitchen (former)
Latitude: 42.9129250000
Longitude: -85.6512190000
Date of Collection: 01-11-2001

**Actual:
656 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAN LIQUIDATION INC (Continued)

U001148326

Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1748-92
Release Date: Oct 7 1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Jan 15 1993

UST:

Facility ID: 00036946
Facility Type: CLOSED
Latitude: 42.9129250000
Longitude: -85.6512190000
Owner Name: Dan Liquidation Inc
Owner Address: 720 3 Mile Rd NW
Owner City,St,Zip: Grand Rapids, MI 49544-8214
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 784-4000
Contact: DAN TRIERWEILER
Contact Phone: (616) 784-4000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Oct 7 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

14
South
1/4-1/2
0.428 mi.
2261 ft.

WOODY'S CANE STOP
730 28TH STREET SE
GRAND RAPIDS, MI 99999

LUST S108084567
N/A

Relative:
Lower

LUST:
Facility ID: 50005525
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner

Actual:
661 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODY'S CANE STOP (Continued)

S108084567

Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Grand Rapids District Office
Site Name: Woody's Cone Stop
Latitude: 42.9119440000
Longitude: -85.6483330000
Date of Collection: 24-01-2007
Method of Collection: Interpolation-Map
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Not reported

Leak Number: C-0163-06
Release Date: Jun 14 2006
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Jun 22 2006

D15
SSW
1/4-1/2
0.431 mi.
2275 ft.

BURGER KING RESTAURANT #408
600 28TH STREET SE
WYOMING, MI 49548
Site 3 of 3 in cluster D

BEA S108236711
N/A

Relative:
Lower

BEA:
Secondary Address: FMR GEO. HOLWERDA GREENHOUSE
BEA Number: 1958
District: Grand Rapids
Date Received: 2006-10-31 00:59:00
Submitter Name: Real Estate Holdings I, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Actual:
659 ft.

Secondary Address: FMR GEO. HOLWERDA GREENHOUSE
BEA Number: 2013
District: Grand Rapids
Date Received: 2007-01-08 00:59:00
Submitter Name: CNL Net Lease Funding 2003, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E16
SSE
1/4-1/2
0.437 mi.
2308 ft.
76 GAS STATION
910 28TH ST SE
GRAND RAPIDS, MI 49508
Site 1 of 3 in cluster E

LUST
UST
U003329249
N/A

Relative:
Lower

LUST:

Facility ID: 00034099
Source: STATE OF MICHIGAN
Owner Name: American Petro Inc
Owner Address: 50980 State Road 13 North
Owner City,St,Zip: Middleburg, IN 46540
Owner Contact: Not reported
Owner Phone: (574) 825-8929
Country: USA
District: Grand Rapids District Office
Site Name: 76 Gas Station
Latitude: 42.9125850000
Longitude: -85.6441300000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1073-99
Release Date: Nov 3 1999
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Nov 20 2009

UST:

Facility ID: 00034099
Facility Type: CLOSED
Latitude: 42.9125850000
Longitude: -85.6441300000
Owner Name: American Petro Inc
Owner Address: 50980 State Road 13 North
Owner City,St,Zip: Middleburg, IN 46540
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (574) 825-8929
Contact: PRITPAL SINGH
Contact Phone: (616) 247-4891
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Dec 1 1989
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

76 GAS STATION (Continued)

U003329249

Remove Date: Jan 1 1999
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Cathodically Protected,Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Dec 1 1989
Product: Gasoline
Remove Date: Jan 1 1999
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Cathodically Protected,Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Dec 1 1989
Product: Gasoline
Remove Date: Jan 1 1999
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Cathodically Protected,Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Dec 1 1989
Product: Diesel
Remove Date: Jan 1 1999
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Cathodically Protected,Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E17
SSE
1/4-1/2
0.445 mi.
2352 ft.
VOS MOWER SALES INC
925 28TH ST SE
GRAND RAPIDS, MI 49508
Site 2 of 3 in cluster E

LUST **S105552616**
N/A

Relative:
Lower

LUST:

Facility ID: 50002151
Source: STATE OF MICHIGAN
Owner Name: OWNER ADDRESS UNKNOWN
Owner Address: Not Recorded
Owner City,St,Zip: Not Recorded, XX 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Grand Rapids District Office
Site Name: Vos Mower Sales Inc
Latitude: 42.9130658383
Longitude: -85.6437912761
Date of Collection: 28-08-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1195-97
Release Date: Dec 3 1997
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

E18
SSE
1/4-1/2
0.445 mi.
2352 ft.
925 28TH STREET SE
925 28TH STREET SE
GRAND RAPIDS, MI
Site 3 of 3 in cluster E

BEA **S104910864**
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 297
District: Grand Rapids
Date Received: 1997-11-13 00:00:00
Submitter Name: PBD Investments, L.L.C.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: colons
Division Assigned: Storage Tank Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

19
SSW
1/4-1/2
0.453 mi.
2393 ft.

DUTHLER FORD SALES INC
555 28TH ST SE
GRAND RAPIDS, MI 49548

RCRA-NonGen
FINDS
LUST
UST

1000242544
MID017080318

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 09/01/2002

Facility name: DUTHLER FORD SALES INC

Facility address: 555 28TH ST SE
GRAND RAPIDS, MI 49548

EPA ID: MID017080318

Contact: PHILLIP VALINSKI

Contact address: 555 28TH ST SE
GRAND RAPIDS, MI 49548

Contact country: US

Contact telephone: (616) 956-5511

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 09/02/2002

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 09/02/2002

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUTHLER FORD SALES INC (Continued)

1000242544

Used oil transporter: No

Historical Generators:

Date form received by agency: 08/27/2002
Facility name: DUTHLER FORD SALES INC
Classification: Small Quantity Generator

Date form received by agency: 10/12/2000
Facility name: DUTHLER FORD SALES INC
Classification: Small Quantity Generator

Date form received by agency: 04/23/1987
Facility name: DUTHLER FORD SALES INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003588029

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00016052
Source: STATE OF MICHIGAN
Owner Name: Duthler Ford Sales Inc
Owner Address: 555 28th St SE
Owner City,St,Zip: Grand Rapids, MI 49548-1203
Owner Contact: Not reported
Owner Phone: (616) 452-6011
Country: USA
District: Grand Rapids District Office
Site Name: Duthler Ford
Latitude: 42.9129360000
Longitude: -85.6525040000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUTHLER FORD SALES INC (Continued)

1000242544

Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1559-90
Release Date: Aug 17 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 26 1993

UST:

Facility ID: 00016052
Facility Type: CLOSED
Latitude: 42.9129360000
Longitude: -85.6525040000
Owner Name: Duthler Ford Sales Inc
Owner Address: 555 28th St SE
Owner City,St,Zip: Grand Rapids, MI 49548-1203
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 452-6011
Contact: ROGER SHIELDS
Contact Phone: (616) 452-6011
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Apr 29 1966
Product: Used Oil
Remove Date: Jun 3 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 1500
Install Date: Apr 29 1966
Product: Used Oil
Remove Date: Jun 3 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUTHLER FORD SALES INC (Continued)

1000242544

Impressed Device: No

**20
SE
1/4-1/2
0.498 mi.
2627 ft.**

**SOUTHLAND TWO INC
1000 28TH ST SE
GRAND RAPIDS, MI 49508**

**LUST U000256827
UST N/A**

**Relative:
Lower**

LUST:

Facility ID: 00015064
Source: STATE OF MICHIGAN
Owner Name: Southland Two Inc
Owner Address: 1259 28th St SW
Owner City,St,Zip: Wyoming, MI 49509-2701
Owner Contact: Not reported
Owner Phone: (616) 538-6520
Country: USA
District: Grand Rapids District Office
Site Name: Southland Two, Inc.
Latitude: 42.9125600000
Longitude: -85.6418630000
Date of Collection: 01-12-1998
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0456-94
Release Date: May 17 1994
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00015064
Facility Type: CLOSED
Latitude: 42.9125600000
Longitude: -85.6418630000
Owner Name: Southland Two Inc
Owner Address: 1259 28th St SW
Owner City,St,Zip: Wyoming, MI 49509-2701
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 538-6520
Contact: MARK ELLIS
Contact Phone: (616) 538-6520
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHLAND TWO INC (Continued)

U000256827

Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 4 1972
Product: Gasoline
Remove Date: Sep 1 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 4 1972
Product: Gasoline
Remove Date: Sep 1 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 4 1972
Product: Gasoline
Remove Date: Sep 1 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Apr 4 1986
Product: Gasoline
Remove Date: Aug 25 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected,Galvanized Steel,PROTECTIVE TAPE WRAP
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHLAND TWO INC (Continued)

U000256827

Capacity: 6000
Install Date: Apr 4 1986
Product: Gasoline
Remove Date: Aug 25 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected,Galvanized Steel,PROTECTIVE TAPE WRAP
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interier
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Sep 22 1994
Product: Gasoline
Remove Date: May 25 1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: Yes

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Sep 22 1994
Product: Gasoline
Remove Date: May 24 1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: Yes

21
SW
1/2-1
0.734 mi.
3875 ft.

RAPID PATTERN & PLASTICS INC
2935 MADISON SE
GRAND RAPIDS, MI 49548

DEL SHWS S105965944
N/A

Relative:
Lower

DELETED HWS:
Facility ID: 41000214
Status: Delisted - no longer meets criteria specified in rules

Actual:
670 ft.

Count: 38 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GRAND RAPIDS	S107596666	1144 & 1146 WEALTHY STREET SE	1144TH & 1146 WEALTHY ST SE	49506	BEA
GRAND RAPIDS	S107812234	1401 & 1403 MADISON AVENUE SE	1401ST & 1403RD MADISON AVE S	49507	BEA
GRAND RAPIDS	S110624537	2057 / 2059 SOUTH DIVISION AVENUE	2057TH & S DIVISION AVE		BEA
GRAND RAPIDS	S109416591	233 & 235 MONROE AVENUE SW	233RD & 235 MONROE AVE SW		BEA
GRAND RAPIDS	S108488016	250 & 259 COMMERCE AVENUE SW	250TH & 259 COMMERCE AVE SW		BEA
GRAND RAPIDS	S106802475	334 & 350 IONIA AVENUE SW	334TH & 350 IONIA AVE SW		BEA
GRAND RAPIDS	S108414424	408 & 418 SOUTH DIVISION AVENUE	408TH & S DIVISION AVE		BEA
GRAND RAPIDS	S104911606	459 & 470 MARKET AVENUE SW	459TH & 470 MARKET AVE SW		BEA
GRAND RAPIDS	S110300775	470 & 475 MARKET AVENUE SW	470TH & 475 MARKET AVE SW		BEA
GRAND RAPIDS	S106096626	6025 & 6035 28TH STREET SE	6025TH & 6035 28TH ST SE		SHWS, BEA
GRAND RAPIDS	S105144739	GENEVA TOWNSHIP LANDFILL	67TH ST AND KIBBIE CORS	49548	SHWS
GRAND RAPIDS	S103085176	68TH. ST. & DIVISION AREA	68TH ST		SHWS, DEL SHWS
GRAND RAPIDS	S110748260	754 & 756 BURTON STREET SE	754TH & 756 BURTON ST SE		BEA
GRAND RAPIDS	S110748266	900 & 912 WEALTHY STREET SE	900TH & 912 WEALTHY ST SE	49506	BEA
GRAND RAPIDS	S110748213	209 AND 217 SOUTH DIVISION AVENUE	209 AND 217 SOUTH DIVISION AVE		BEA
GRAND RAPIDS	S110748267	900 AND 912 WEALTHY STREET SE	900 AND 912 WEALTHY ST SE	49506	BEA
GRAND RAPIDS	S103085106	BERKEY STREET AREA	1600 BERKEY VICINITY	49507	SHWS
GRAND RAPIDS	S104909508	100-300 BLOCK OF WINTER AVENUE NW	100 BLOCK OF WINTER AVE NW		BEA
GRAND RAPIDS	S106521641	7915 S. DIVISION AVENUE	7915 S DIVISION AVE	49548	BEA
GRAND RAPIDS	S110624561	4211 SOUTH DIVISION AVENUE	4211 S DIVISION AVE	49548	BEA
GRAND RAPIDS	S100659934	ERB LUMBER	2850 DIVISION ST	49508	SHWS
GRAND RAPIDS	2006810183	5299 EASTEN SE	5299 EASTEN SE		ERNS
GRAND RAPIDS	S109846603	O'DELLS GAS CITY, EASTERN AVE.	3260 EASTERN AVE	49508	AUL
GRAND RAPIDS	S108084238	1325 EDNA STREET SE	3125 EDNA ST SE		BEA
GRAND RAPIDS	S104911979	336 STRAIGHT AVENUE	FORMER GALLMEYER & LIVINGSTON		BEA
GRAND RAPIDS	S108669873	FRONT AVENUE NW, (1.27 ACRE SITE)	FRONT AVE NW		BEA
GRAND RAPIDS	S104910121	201 IONIA AVENUE	201 IONIA AVE		BEA
GRAND RAPIDS	1000368198	APPROVED INDUSTRIAL REMOVAL	3755 LINDEN S E		BEA
GRAND RAPIDS	S108414395	1445-1467 (ODD) FULLER AVENUE SE	1445 ODD FULLER AVE SE	49507	BEA
GRAND RAPIDS	S110300749	1540 STEEL AVENUE (1520 STEELE AVE	1540 STEEL AVENUE 1520 STEELE		BEA
GRAND RAPIDS WYOMING	1003871016	APPROVED INDUSTRIAL REMOVAL	3755 LINDEN & 750 HIMES	49508	CERC-NFRAP
KENT COUNTY	M300004178	COIT AVENUE GRAVEL CO., INC.	WASHING PLANT		MINES
KENTWOOD	S105144227	AUTOSTYLE PLASTICS, INC. (FORMER)	2369 BRETON INDUSTRIAL DR	49508	SHWS
TRAVERSE CITY	U003319450	PARKER MOTOR FREIGHT	211 S US 31 HWY	49508	LUST, UST
WYOMING	S105144208	ENVIRONMENTAL CONTROL SERVICES	5339 CLAY 525 SW	49508	SHWS
WYOMING	S110055401	2841 DIVISION AVENUE SW	2841 DIVISION AVE S	49548	BEA
WYOMING	1010320085	QUALITY SERVICE EXPRESS INCORPORAT	3761 EASTERN AVE SE	49508	RCRA-NonGen
WYOMING	1014392897	PRECISION AEROSPACE CORPORATION	3883 LINDEN SE	49548	RCRA-SQG

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/16/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/29/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/14/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/15/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/14/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 06/13/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 06/13/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/05/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/05/2011	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/05/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/18/2011
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/02/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 05/04/2011	Telephone: 517-373-9541
Date Made Active in Reports: 05/25/2011	Last EDR Contact: 05/04/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/22/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/18/2011
Number of Days to Update: 23

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 05/20/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/17/2011
Date Data Arrived at EDR: 05/19/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/03/2011	Source: EPA Region 4
Date Data Arrived at EDR: 03/18/2011	Telephone: 404-562-8677
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/16/2011	Source: EPA Region 8
Date Data Arrived at EDR: 05/17/2011	Telephone: 303-312-6271
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/22/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/23/2011	Telephone: 517-335-4035
Date Made Active in Reports: 03/22/2011	Last EDR Contact: 05/24/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: Annually

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 03/21/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 03/31/2011	Telephone: 517-373-8168
Date Made Active in Reports: 05/11/2011	Last EDR Contact: 05/23/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/01/2011	Source: EPA Region 5
Date Data Arrived at EDR: 02/23/2011	Telephone: 312-886-6136
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 03/03/2011	Source: EPA Region 4
Date Data Arrived at EDR: 03/18/2011	Telephone: 404-562-9424
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/18/2011	Source: EPA Region 9
Date Data Arrived at EDR: 05/26/2011	Telephone: 415-972-3368
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/16/2011	Source: EPA Region 8
Date Data Arrived at EDR: 05/17/2011	Telephone: 303-312-6137
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 02/03/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/17/2011	Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2011	Telephone: 206-553-2857
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 03/07/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 05/04/2011	Telephone: 617-918-1313
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/03/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/18/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/01/2011
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/18/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 03/18/2011	Telephone: 517-373-4828
Date Made Active in Reports: 03/31/2011	Last EDR Contact: 06/06/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/19/2011
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 02/25/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 04/05/2011	Telephone: 617-918-1102
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/05/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/18/2011
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 05/05/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 05/05/2011	Telephone: 517-373-4805
Date Made Active in Reports: 05/25/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007	Source: Economic Development Corporation
Date Data Arrived at EDR: 04/10/2007	Telephone: 888-522-0103
Date Made Active in Reports: 05/01/2007	Last EDR Contact: 06/06/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/19/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/29/2011
Date Data Arrived at EDR: 03/29/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/29/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Department of Natural Resources & Environment
Telephone: 517-241-5719
Last EDR Contact: 04/07/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/02/2011
Date Data Arrived at EDR: 03/17/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 46

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/07/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 05/05/2011
Date Made Active in Reports: 05/25/2011
Number of Days to Update: 20

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2011	Telephone: 202-564-6023
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/23/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 03/15/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 04/28/2011	Telephone: 517-373-9837
Date Made Active in Reports: 05/13/2011	Last EDR Contact: 04/26/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/08/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/05/2011	Telephone: 202-366-4555
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/05/2011
Number of Days to Update: 51	Next Scheduled EDR Contact: 07/18/2011
	Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 10/21/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 10/22/2010	Telephone: 517-373-8427
Date Made Active in Reports: 10/28/2010	Last EDR Contact: 06/13/2011
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 02/11/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/11/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 5

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/15/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/02/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/08/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/29/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/22/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2011	Telephone: 202-343-9775
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (312) 353-2000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 06/14/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/27/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 05/02/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 05/04/2011	Telephone: 517-241-1515
Date Made Active in Reports: 06/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 27

Source: Department of Natural Resources & Environment
Telephone: 517-373-9875
Last EDR Contact: 06/15/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaning Establishments
A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/30/2011
Date Data Arrived at EDR: 05/04/2011
Date Made Active in Reports: 05/25/2011
Number of Days to Update: 21

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586
Last EDR Contact: 04/25/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 04/12/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 30

Source: Department of Natural Resources & Environment
Telephone: 517-241-1300
Last EDR Contact: 04/13/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 35

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 03/31/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 02/25/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 31

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 05/23/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 06/06/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/19/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/13/2011
Date Data Arrived at EDR: 01/20/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 25

Source: Department of Natural Resources & Environment
Telephone: 517-335-6610
Last EDR Contact: 04/11/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: N/A

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011
Date Data Arrived at EDR: 04/21/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 22

Source: Department of Natural Resources & Environment
Telephone: 586-753-3754
Last EDR Contact: 04/11/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/05/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/26/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/19/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 05/12/2011
Date Made Active in Reports: 05/24/2011
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/12/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/06/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2445 EASTERN AVENUE SE
2445 EASTERN AVENUE SE
GRAND RAPIDS, MI 49507

TARGET PROPERTY COORDINATES

Latitude (North):	42.91850 - 42° 55' 6.6"
Longitude (West):	85.6483 - 85° 38' 53.9"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	610324.2
UTM Y (Meters):	4752436.0
Elevation:	681 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision:	1996

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

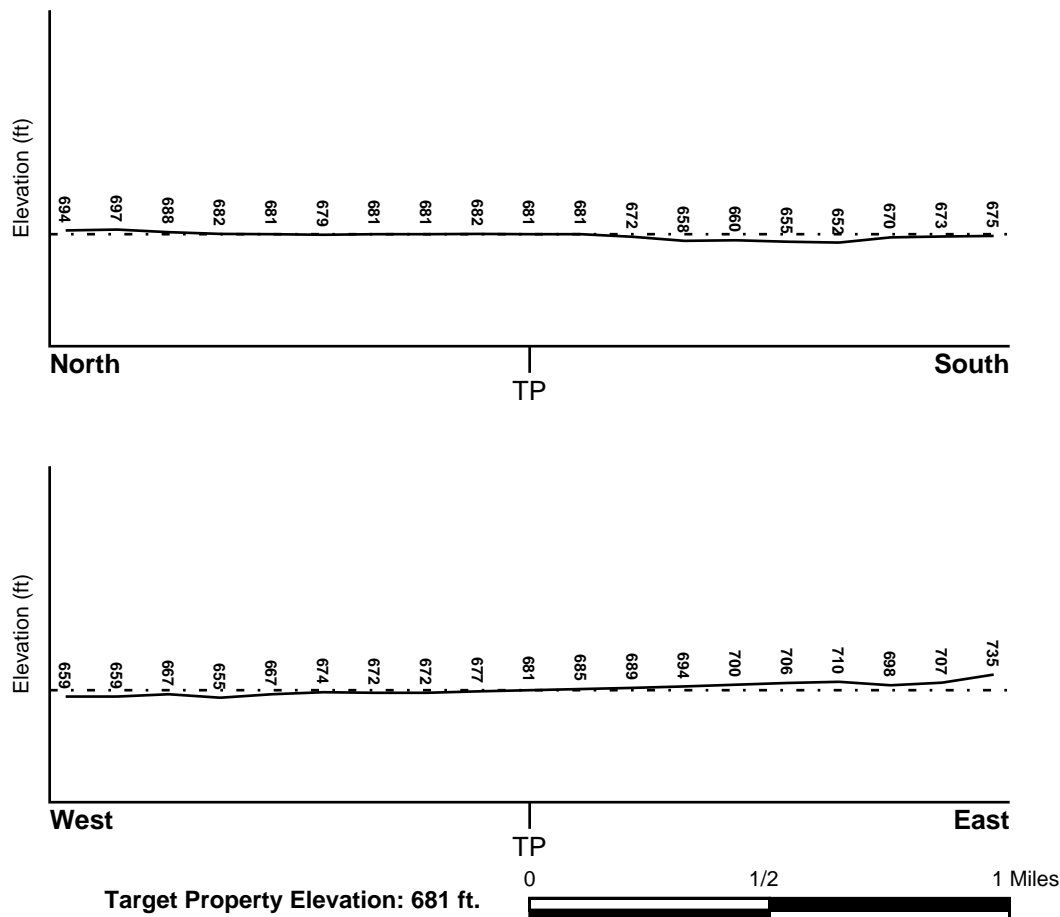
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
KENT, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2601060025C - FEMA Q3 Flood data

Additional Panels in search area:
2601060020C - FEMA Q3 Flood data
2601110005C - FEMA Q3 Flood data
2601110015C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
GRAND RAPIDS WEST

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile North	W
2	1/4 - 1/2 Mile South	W
A3	1/2 - 1 Mile SE	W
A4	1/2 - 1 Mile SE	S
5	1/2 - 1 Mile SW	NE
6	1/2 - 1 Mile SE	SW
7	1/2 - 1 Mile SW	N

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
9	1/2 - 1 Mile ENE	SW
10	1/2 - 1 Mile West	W
11	1/2 - 1 Mile WSW	N
B13	1/2 - 1 Mile South	Not Reported
C14	1/2 - 1 Mile SSW	WNW
D15	1/2 - 1 Mile NE	SW
D16	1/2 - 1 Mile NE	SSW
B17	1/2 - 1 Mile South	NNW
C18	1/2 - 1 Mile SSW	Not Reported
E19	1/2 - 1 Mile WSW	N
E20	1/2 - 1 Mile WSW	NW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Meramecian Series
Code: M2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: PLAINFIELD

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10
2	7 inches	36 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50
3	36 inches	60 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
loam

Surficial Soil Types: loamy sand
loam

Shallow Soil Types: sandy clay loam
loamy fine sand
sandy loam

Deeper Soil Types: loam
fine sand
sandy loam
silty clay loam
gravelly - sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

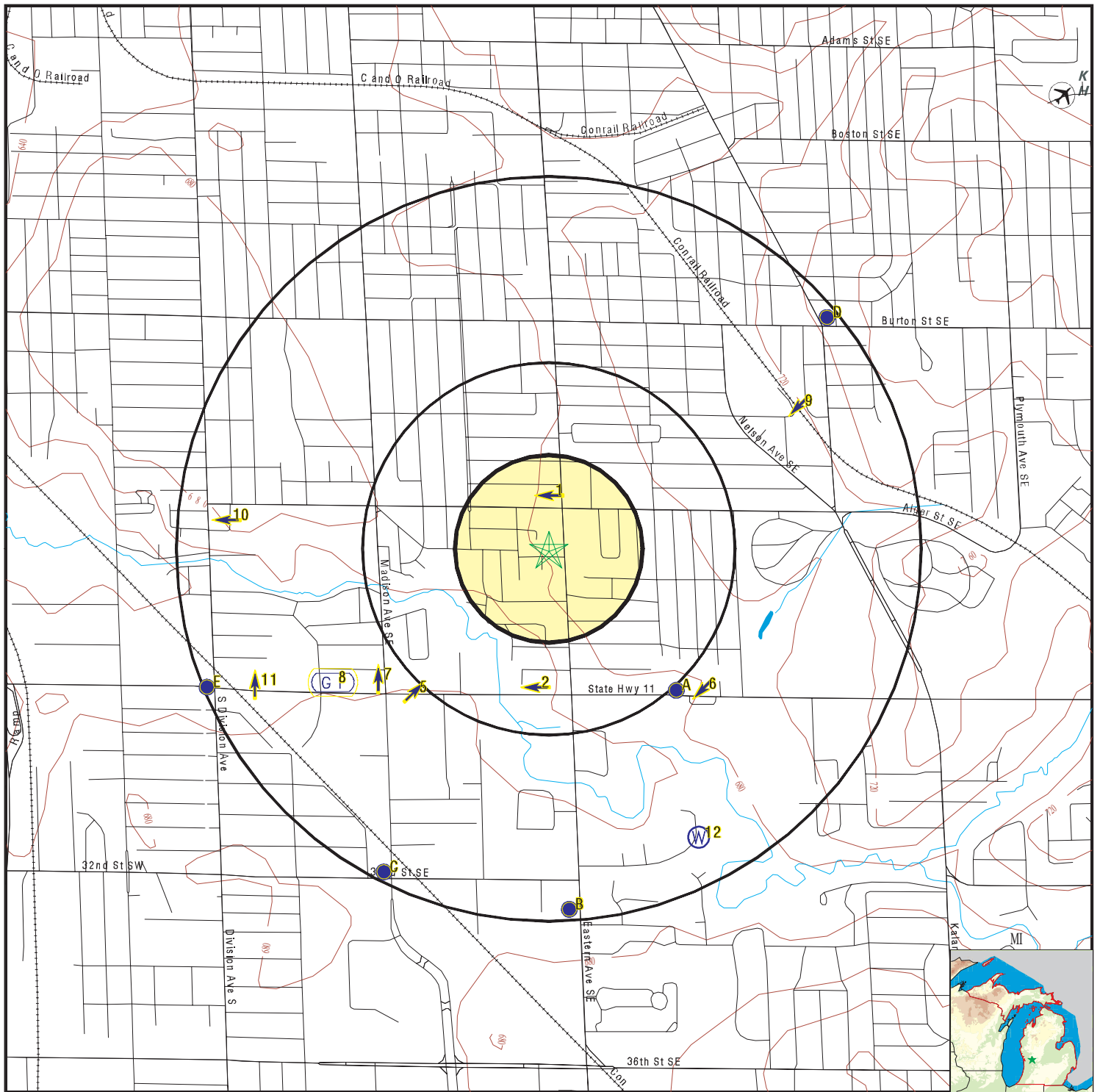
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
12	MI20147307	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 3096499.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 2445 Eastern Avenue SE
 ADDRESS: 2445 Eastern Avenue SE
 Grand Rapids MI 49507
 LAT/LONG: 42.9185 / 85.6483

CLIENT: Soil & Materials Engineers Inc
 CONTACT: Brian S. Trent
 INQUIRY #: 3096499.2s
 DATE: June 15, 2011 3:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 North 1/8 - 1/4 Mile Higher	Site ID:	5-000321	AQUIFLOW	28489
	Groundwater Flow:	W		
	Shallowest Water Table Depth:	18		
	Deepest Water Table Depth:	21		
	Average Water Table Depth:	Not Reported		
	Date:	09/22/1997		
2 South 1/4 - 1/2 Mile Lower	Site ID:	410124	AQUIFLOW	28099
	Groundwater Flow:	W		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	6		
	Date:	04/18/1997		
A3 SE 1/2 - 1 Mile Lower	Site ID:	410716	AQUIFLOW	28037
	Groundwater Flow:	W		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	7		
	Date:	05/30/1997		
A4 SE 1/2 - 1 Mile Lower	Site ID:	Not Reported	AQUIFLOW	28606
	Groundwater Flow:	S		
	Shallowest Water Table Depth:	4		
	Deepest Water Table Depth:	7		
	Average Water Table Depth:	Not Reported		
	Date:	11/05/1993		
5 SW 1/2 - 1 Mile Lower	Site ID:	6603100	AQUIFLOW	27745
	Groundwater Flow:	NE		
	Shallowest Water Table Depth:	5.8		
	Deepest Water Table Depth:	94.3		
	Average Water Table Depth:	Not Reported		
	Date:	06/24/1994		
6 SE 1/2 - 1 Mile Lower	Site ID:	0-009636	AQUIFLOW	27879
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	10		
	Date:	05/06/1998		
7 SW 1/2 - 1 Mile Lower	Site ID:	0-016730	AQUIFLOW	28620
	Groundwater Flow:	N		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	10		
	Date:	12/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8 WSW 1/2 - 1 Mile Lower	Site ID: 5-002151			
	Groundwater Flow: Not Reported		AQUIFLOW	27972
	Shallowest Water Table Depth: Not Reported			
	Deepest Water Table Depth: Not Reported			
	Average Water Table Depth: 9'			
	Date: 10/10/1997			

9 ENE 1/2 - 1 Mile Higher	Site ID: 0-016502			
	Groundwater Flow: SW		AQUIFLOW	28512
	Shallowest Water Table Depth: 22			
	Deepest Water Table Depth: 25			
	Average Water Table Depth: Not Reported			
	Date: 10/09/1992			

10 West 1/2 - 1 Mile Higher	Site ID: 0-015272			
	Groundwater Flow: W		AQUIFLOW	28422
	Shallowest Water Table Depth: 1			
	Deepest Water Table Depth: 2			
	Average Water Table Depth: Not Reported			
	Date: 10/01/1996			

11 WSW 1/2 - 1 Mile Lower	Site ID: Not Reported			
	Groundwater Flow: N		AQUIFLOW	28046
	Shallowest Water Table Depth: Not Reported			
	Deepest Water Table Depth: Not Reported			
	Average Water Table Depth: 6			
	Date: 11/07/1989			

12 SSE 1/2 - 1 Mile Lower			MI WELLS	MI20147307
--	--	--	-----------------	-------------------

Wellid:	41000015993	Import id:	Not Reported
County:	Kent	Township:	Grand Rapids
Town range:	07N 11W	Section:	17
Owner name:	PERSONVOGT COMPANY		
Well addr:	1024 KEN-O-SHA INDUSTRIAL DR		
Well depth:	295		
Well type:	Irrigation		
Wssn:	0		
Well num:	Not Reported	Driller id:	384
Const date:	1992-05-06 00:00:00.000	Case type:	Unknown
Case dia:	6		
Case depth:	216		
Screen frm:	0		
Screen to:	0		
Swl:	21		
Test depth:	0		
Test hours:	4		
Test rate:	250	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	125
Latitude:	42.90727937		
Longitude:	-85.64035737		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	676	Elev dif:	676
Elev miv:	676	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	28
Pct aq d:	22	Pct aq r:	28
Pct maq:	24	Pct maq d:	0
Pct maq r:	27	Pct cm:	4
Pct cm d:	0	Pct cm r:	5
Pct pcm:	43	Pct pcm d:	78
Pct pcm r:	40	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	27
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	30
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	70	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

B13 South 1/2 - 1 Mile Lower	Site ID:	0-034540	AQUIFLOW	28384
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	6		
	Deepest Water Table Depth:	14.5		
	Average Water Table Depth:	Not Reported		
	Date:	04/21/1994		

C14 SSW 1/2 - 1 Mile Lower	Site ID:	0-019332	AQUIFLOW	28627
	Groundwater Flow:	WNW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	10		
	Date:	09/17/1998		

D15 NE 1/2 - 1 Mile Higher	Site ID:	410185	AQUIFLOW	27949
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	42		
	Date:	10/22/1998		

D16 NE 1/2 - 1 Mile Higher	Site ID:	5-000320	AQUIFLOW	28486
	Groundwater Flow:	SSW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	9.5		
	Date:	10/06/1997		

B17 South 1/2 - 1 Mile Lower	Site ID:	F94401	AQUIFLOW	27853
	Groundwater Flow:	NNW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	8		
	Average Water Table Depth:	Not Reported		
	Date:	12/29/1994		

C18 SSW 1/2 - 1 Mile Lower	Site ID:	0-013853	AQUIFLOW	28423
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	15		
	Date:	05/29/1990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E19
WSW
1/2 - 1 Mile
Lower

Site ID: 410248
Groundwater Flow: N
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 3.5
Date: 08/05/1997

AQUIFLOW 27981

E20
WSW
1/2 - 1 Mile
Lower

Site ID: 0-014590
Groundwater Flow: NW
Shallowest Water Table Depth: 4
Deepest Water Table Depth: 6
Average Water Table Depth: Not Reported
Date: 10/18/1996

AQUIFLOW 28427

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49507	10/27/2008		1.3
49507	11/24/2008		1.3
49507	11/9/1998		1.3
49507	11/19/1998		1.3
49507	11/19/1998		1.3
49507	11/2/1998		1.3
49507	1/3/2000		1.3
49507	4/27/2009		1.3
49507	11/18/1997		1.2
49507	10/29/1998		1.2
49507	2/2/2009		1.3
49507	2/26/2007		1.2
49507	1/25/2008		1.2
49507	2/28/2008		1.2
49507	8/13/2005		1.2
49507	5/21/2007		1.2
49507	4/18/2006		1.2
49507	4/16/2007		1.2
49507	12/31/1998		1.1
49507	1/31/2009		1.2
49507	12/14/1998		1.1
49507	10/20/2008		1.1
49507	3/24/2000		1.1
49507	3/9/2009		1.1
49507	8/27/2005		1.1
49507	12/5/2006		1.1
49507	3/17/2008		1.1
49507	9/1/2007		1.1
49507	12/12/1998		1.0
49507	12/1/2001		1.0
49507	11/28/1998		1.0
49507	11/16/1998		1.0
49507	11/16/1998		1.0
49507	2/26/1996		1.0
49507	3/5/1999		1.0
49507	11/20/1998		1.0
49507	11/5/1998		1.9
49507	7/12/1999		1.0
49507	2/11/2009		1.0
49507	1/23/2010		1.0
49507	11/13/2007		1.0
49507	4/9/2007		1.0
49507	3/17/2008		1.0
49507	3/12/1999		1.8
49507	3/7/1996		1.8
49507	11/1/2004		1.8
49507			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	5/12/2008		1.9
49507	1/22/2010		1.9
49507	12/11/2009		1.9
49507	3/27/2006	<	0.3
49507	3/12/2008	<	0.3
49507	11/23/1998	<	0.3
49507	8/15/2005		0.5
49507	11/9/1998	<	0.3
49507	8/13/2005	<	0.3
49507	11/24/2006	<	0.3
49507	2/16/1996	<	0.3
49507	7/26/2007		0.5
49507	3/19/2007		0.5
49507	5/11/2009		0.5
49507	2/6/2006	<	0.3
49507	12/3/2008	<	0.3
49507	11/28/2008	<	0.3
49507	8/20/2009		0.5
49507	5/3/2005	<	0.3
49507	8/1/2008	<	0.3
49507	3/8/2004	<	0.3
49507	12/12/2007	<	0.3
49507	3/8/2007	<	0.3
49507	11/2/1998	<	0.3
49507	11/14/2007	<	0.3
49507	11/23/2007	<	0.3
49507	4/15/2008	<	0.3
49507	12/14/1998	<	0.3
49507	12/22/1998	<	0.3
49507	1/23/1996		0.8
49507	12/12/1998		0.8
49507	10/29/1998		0.8
49507	2/2/2009		1.0
49507	3/31/2009		1.0
49507	11/5/1998		0.9
49507	11/16/1998		0.8
49507	11/9/1998		0.9
49507	4/10/1998		0.9
49507	8/27/2005		0.8
49507	4/12/2004		0.7
49507	11/19/1998		0.9
49507	3/18/2004		0.6
49507	4/18/2005		0.8
49507	11/18/2006		0.7
49507	2/7/2007		0.6
49507	5/15/2006		0.8
49507	3/18/2008		0.6
49507	1/24/2008		0.6
49507	4/6/2007		0.7
49507	3/3/2007		0.6
49507	4/15/2008		0.6
49507	4/7/2007		0.8
49507	10/2/2006		0.9
49507	5/4/2007		0.9
49507	3/31/2008		0.6
49507	10/24/2008		0.6
49507			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	2/18/2000	0.6
49507	7/12/2007	0.8
49507	11/3/2008	0.8
49507	3/16/2007	0.8
49507	8/28/2008	0.8
49507	3/11/2008	0.8
49507	11/12/1999	0.7
49507	1/22/2007	0.9
49507	4/4/2001	0.6
49507	7/26/2000	0.6
49507	7/30/2001	0.7
49507	12/19/2008	0.6
49507	4/7/1995	0.8
49507	11/2/2000	0.8
49507	3/31/2009	0.7
49507	4/19/2008	0.9
49507	4/4/2008	0.9
49507	5/19/2008	0.9
49507	10/3/2009	0.6
49507	11/25/2009	0.6
49507	1/31/2009	0.7
49507	1/29/2009	0.7
49507	3/11/2008	0.9
49507	11/2/1999	0.9
49507	8/13/2009	0.6
49507	1/29/2009	0.6
49507	4/23/2009	0.8
49507	11/12/1998	0.6
49507	12/14/1998	0.6
49507	11/2/1998	0.6
49507	11/7/1998	0.6
49507	2/2/1999	0.6
49507	10/30/1998	0.5
49507	11/19/2001	0.7
49507	11/13/2001	0.7
49507	12/7/1998	0.6
49507	5/9/2009	0.9
49507	1/31/2009	0.9
49507	4/18/2009	0.9
49507	11/25/1998	0.7
49507	4/17/2002	0.6
49507	11/2/2009	0.9
49507	1/22/2003	0.6
49507	11/27/1998	0.8
49507	6/1/2007	1.8
49507	11/20/1999	1.8
49507	2/9/2009	1.8
49507	4/27/2009	1.8
49507	4/27/2007	2.9
49507	4/7/2007	2.5
49507	11/17/1998	2.5
49507	11/13/1998	2.5
49507	2/7/2003	2.5
49507	1/25/2010	2.5
49507	3/14/2009	2.5
49507	1/14/2010	2.5
49507		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	6/18/2009		2.5
49507	11/2/1998		2.4
49507	11/20/1998		2.4
49507	10/29/1998		2.4
49507	11/5/1998		2.4
49507	2/4/1999		2.4
49507	1/28/2008		2.4
49507	11/23/2007		2.3
49507	11/10/1999		2.4
49507	1/24/2009		2.4
49507	4/4/2007		2.2
49507	4/7/2007		2.2
49507	11/9/2007		2.2
49507	1/25/2008		2.2
49507	11/23/2007		2.2
49507	4/10/1998		2.3
49507	3/11/2008		2.2
49507	4/4/1995		2.2
49507	11/27/1998		2.3
49507	12/7/1998		2.3
49507	12/16/1998		2.2
49507	11/16/1998		2.2
49507	4/20/1998		2.2
49507	4/18/2009		2.2
49507	2/27/2002		2.2
49507	12/26/1998		2.1
49507	2/19/2007		2.3
49507	3/29/2008		2.3
49507	4/28/2009		2.9
49507	12/26/2009		2.9
49507	1/24/2009		2.9
49507	11/27/1998		2.7
49507	11/2/1998		2.6
49507	11/3/1997		2.8
49507	11/13/1998		2.8
49507	11/9/1998		2.8
49507	8/27/2005		2.6
49507	12/30/1994		3.0
49507	12/30/1994		3.0
49507	3/12/2009		3.0
49507	11/10/1998		2.9
49507	2/13/1999		2.9
49507	3/31/2008		2.6
49507	3/31/2008		2.8
49507	1/24/2009	<	0.3
49507	2/5/2009	<	0.3
49507	3/16/2007	<	0.3
49507	2/2/2009	<	0.3
49507	3/31/2008		3.6
49507	3/9/2007	<	0.3
49507	3/19/2007	<	0.3
49507	11/27/1998		3.5
49507	2/4/2006		3.5
49507	4/25/2007		3.5
49507	11/6/1998		3.4
49507	11/6/1997		3.4
49507			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	11/30/1998		3.4
49507	1/29/2008		3.2
49507	3/24/2001	<	0.3
49507	5/7/1994	<	0.3
49507	4/11/2006		3.3
49507	1/23/2009	<	0.3
49507	11/5/1998		3.1
49507	11/2/1998		3.1
49507	1/2/2010	<	0.3
49507	2/9/2009		3.3
49507	10/13/2009	<	0.3
49507	11/1/1999		3.9
49507	3/31/2008		3.7
49507	11/26/2007		3.7
49507	4/10/2009	<	0.3
49507	4/24/2009	<	0.3
49507	5/18/2009	<	0.3
49507	11/2/1998		3.8
49507	1/29/2009		3.7
49507	1/29/2009	<	0.3
49507	1/24/2009	<	0.3
49507	11/9/1998		3.2
49507	11/23/2007		1.7
49507	11/27/1998		1.7
49507	11/7/1998		1.7
49507	10/26/1998		1.7
49507	11/7/1998		1.7
49507	12/3/1998		1.7
49507	3/31/2006		1.7
49507	12/12/1998		6.2
49507	12/10/1998		6.1
49507	1/31/1996		5.1
49507	11/2/1998		4.8
49507	2/19/1999		5.8
49507	11/9/1998		5.7
49507	4/22/2009		5.0
49507	4/4/2007		4.8
49507	5/22/2006		7.1
49507	2/22/1996		7.8
49507	12/18/1998		7.3
49507	12/4/1998		2.0
49507	11/21/1998		2.0
49507	4/20/2009		16.8
49507	4/28/2009		11.0
49507	1/29/2009		10.2
49507	11/3/1997		10.1
49507	2/19/2000		10.1
49507	10/29/1998		10.2
49507	3/31/2008		2.1
49507	4/21/2007		2.0
49507	10/28/2000		2.0
49507	6/4/2009		2.0
49507	4/17/1998		2.0
49507	11/19/1998		1.6
49507	2/9/1998		1.6
49507	11/16/1998		4.4
49507			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	1/26/2009	4.2
49507	3/27/2001	4.3
49507	4/9/2007	4.0
49507	4/20/2007	4.4
49507	5/3/2008	4.4
49507	10/31/2000	4.4
49507	3/29/2008	4.1
49507	11/27/1998	1.5
49507	11/21/1998	1.5
49507	11/19/1998	1.5
49507	11/3/1997	1.5
49507	11/25/2002	1.5
49507	4/9/2007	1.6
49507	1/22/2008	1.6
49507	10/8/2007	1.6
49507	5/16/2009	1.6
49507	1/31/2009	1.6
49507	2/17/2007	1.5
49507	2/16/2007	1.5
49507	6/12/2008	1.5
49507	3/31/2008	1.5
49507	11/16/1999	1.5
49507	4/26/2004	1.5
49507	2/9/2007	1.4
49507	2/24/2009	1.5
49507	4/25/2009	1.5
49507	8/10/2009	1.5
49507	11/7/1997	1.4
49507	4/3/2008	1.4
49507	11/13/2000	1.4
49507	4/30/2009	1.4
49507	1/24/2009	1.4
49507	3/23/2009	1.4
49507	1/23/2009	1.4
49507	12/26/1998	1.3
49507	11/19/1998	1.3
49507	5/26/2006	1.4
49507	2/16/2007	1.4
49507	12/1/2008	1.4

Federal EPA Radon Zone for KENT County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 49507

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Natural Resources and Environment

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX F

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Mr. Trent is a Professional Engineer, and an Environmental Professional (EP) as defined by U.S. EPA 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries. Mr. Trent provides brownfield redevelopment consulting; provides environmental due diligence consulting and services related to property transactions; supports hazardous materials surveys and building demolition projects; provides leaking underground storage tank consulting; and assists with liable party issues (e.g., tank removal, groundwater monitoring, remediation).

❖ Professional Qualifications:

- Experienced in redevelopment projects involving various environmental, geotechnical, and constructability issues. These projects involve preparing Brownfield Plans and Act 381 Work Plans to secure financing and tax credits for eligible activities; performing Phase I and II Environmental Site Assessments (ESAs); preparing Baseline Environmental Assessments (BEAs) and Due Care Plans; monitoring of on-site construction activities; and cost tracking.
- Experienced in performing subsurface assessments and remedial investigations to delineate the extent of impact, preparing feasibility studies, and assisting with the design of remediation systems and engineering or institutional controls to mitigate environmental concerns.
- Experienced in conducting vapor intrusion investigations, evaluating and modeling the vapor intrusion pathway, performing feasibility studies to assess mitigation alternatives, and designing mitigation systems.
- Experienced in building renovation or demolition projects involving hazardous materials issues. These projects involve hazardous materials assessments, including asbestos, lead, mercury, PCBs, petroleum products, and biohazards, as well as providing recommendations for proper removal and disposal of these materials.
- Knowledgeable in Michigan Public Act 451 Part 201, Part 211, and Part 213; Act 381 (Brownfield Redevelopment Financing) and Act 146 (Obsolete Property Rehabilitation Act); EPA 40 CFR Part 763, EPA 40 CFR Part 61, OSHA 29 CFR 1910.120, and OSHA 29 CFR 1926.1101.

❖ Representative Project Experience:

- Managed U.S. EPA Brownfield Assessment Grant projects for several communities in Michigan, including the City of Lansing and City of Grand Rapids. Activities include: community outreach, community-wide brownfield site inventory; environmental site assessments; and preparation of BEAs, Due Care Plans, Cleanup Plans, and Brownfield Plans.
- Performed comprehensive brownfield redevelopment services for the redevelopment of a former coal-fired power plant in Lansing, Michigan. Work entailed reviewing decades of existing environmental files, identifying data gaps, designing and managing waste characterization and remediation activities (including U.S. EPA Brownfield Assessment and Revolving Loan Fund Grants), preparing multiple BEAs and Due Care Plans, and managing hazardous materials surveys and abatement activities.
- Prepared successful Clean Michigan Initiative (CMI) grants and U.S. EPA Brownfield Assessment and Revolving Loan Fund Grant applications for numerous communities.
- Prepared Brownfield Plans, Act 381 Work Plans, and Brownfield MBT Credit applications for brownfield redevelopment projects.



Project Engineer

- Performed remedial investigations, feasibility studies, remediation design, and remediation oversight at several sites on behalf of the Michigan Department of Environmental and Natural Resources.
- Performed pre-demolition evaluations and oversight for the demolition of approximately 25 commercial and industrial buildings within the City of Detroit, Michigan, on behalf of the Michigan Department of Environmental Quality. Work included inventory and sampling of potentially hazardous materials requiring removal prior to demolition (asbestos, lead, mercury, PCB-containing equipment and materials); preparation of demolition specifications; providing contractor bidding support; contractor management; demolition oversight; and final reporting.
- Performed over 150 Phase I ESAs, Phase II ESAs, BEAs, and Due Care Plans of residential, commercial, and industrial sites. These sites have included manufacturing facilities, gasoline filling stations, automobile repair shops, high-rise commercial buildings, and vacant urban lots. Activities included evaluating environmental issues and providing recommendations for engineering controls and/or evaluating exposure concerns.
- Conducted on-site monitoring during UST removal and remediation activities at gasoline filling stations in Michigan, including on-site soil screening, characterization, landfill coordination, verification of soil remediation (VSR) sampling, and preparation of closure reports.

- ❖ **Career History:** SME since June 2010 - Other firms from 1999
- ❖ **Education:** B.S.E., Civil and Environmental Engineering, University of Michigan (Ann Arbor, Michigan)
- ❖ **Continued Education:** ASTM International Risk-Based Corrective Action Applied at Petroleum Release Sites
ASFE Fundamentals of Professional Practice (2008)
- ❖ **Certifications:** Professional Engineer –Michigan
40-Hour HAZWOPER Course (since 1999)
Leadership in Energy and Environmental Design (LEED)
Accredited Professional (NC 2.2)
- ❖ **Affiliations:** U.S. Green Building Council-West Michigan Chapter
Air and Waste Management Association of West Michigan



Performs hydrogeologic assessments to support various environmental and engineering projects. Also performs Phase I Environmental Site Assessments and Updates, Phase II Assessments, Baseline Environmental Assessments, and Due Care Plans. Conducts asbestos building inspections and provides industrial hygiene services for asbestos abatement projects.

❖ **Professional Qualifications:**

- Skilled at conducting Environmental Site Assessments (ESAs) for real estate transactions.
- Proficient with the use of geographic and geologic software including ArcGIS 9.1, Visual MODFLOW 4.2, WinFlow 3.0, AQTESOLV Pro 3.5, and Surfer 7.0.
- Experienced in conducting asbestos assessments and sampling procedures in compliance with federal, state and individual lending institution requirements.
- Experienced in conducting hydrogeological studies and evaluations using field methods and groundwater modeling software for geothermal, wastewater treatment, and litigation studies.

❖ **Representative Project Experience:**

- Conducted soil and groundwater sampling and installed monitoring wells at a manufactured gas plant site in Kalamazoo, Michigan.
- Conducted soil and groundwater sampling for numerous Underground Storage Tank removals.
- Conducted Phase I ESAs and Phase I ESA Updates on residential, commercial, industrial, agricultural and vacant land in Michigan and Indiana.
- Performed Phase II ESAs consisting of soil and groundwater sampling to support property transactions in Michigan, Indiana, and northern Ohio.
- Conducted a step-drawdown and constant rate aquifer stress test and analyzed the data to support an open-loop geothermal system.
- Built and calibrated a groundwater model and particle tracking evaluation to verify the effectiveness of current pumping wells using Visual MODFLOW and MODPATH.
- Conducted quarterly groundwater sampling using low-flow technology at various sites throughout Michigan.
- Completed a complex and multi-faceted Phase II ESA in northern Michigan using a combination of technologies including air knife, geoprobe, and hollow stem auger monitoring well installation.

❖ **Career History:** SME since 2006

❖ **Education:** B.S. Geology, Grand Valley State University
M.S. Earth Science, Western Michigan University

❖ **Registration:** Member of Geological Society of America (GSA)

❖ **Certifications:** 40-Hour HAZWOPER Course and Annual Refreshers
40-Hour Asbestos Abatement Contractor Supervisor Training
State of Michigan - Asbestos Contractor/Supervisor License
Asbestos Building Inspector License – Michigan and Indiana
Certified Nuclear Density Meter – Troxler
MDNRE Waterworks System Operator S-5
NIOSH 582 Equivalency



Provides field engineering and construction material services. Performs Phase I and Phase II Environmental Site Assessments (ESAs). Also assists with projects related to vibration monitoring, material quantity take-off, and building condition assessments.

❖ **Professional Qualifications:**

- Experienced in construction materials testing including subgrade verification, visual engineering soil classification, soil density, plastic concrete, maturity of concrete, bituminous asphalt density, and masonry. Field inspects installation of reinforcing steel and post-tension tendons prior to concrete placement.
- Experienced in deep foundation construction such as auger-cast piles, secant auger-cast retaining walls, vibratory stone columns, and controlled modulus columns.
- Experienced in conducting Phase I ESAs for real estate transactions including property reconnaissance, historical data research and report preparation. Conducts lead-base paint, soil and groundwater sampling for analysis.
- Experienced with measuring and evaluating vibrations generated from dynamic compaction, pile driving, and removal of piling.

❖ **Project Experience:**

- Lead Field Engineer for the \$136 million G.R. Ford Airport Parking Ramp project in Grand Rapids, Michigan. Services consisted of typical construction materials testing and also included services associated with post tensioning, concrete shrinkage, and concrete water/cement ratio. Responsible for construction materials testing, scheduling of services and daily field reports. Other similar projects include Michigan Street Development and Riverhouse Condominiums in Grand Rapids, Michigan and Accident Fund Parking Ramp in Lansing, Michigan.
- Performed numerous Phase I and Phase II ESAs on residential, commercial, industrial, agricultural, and vacant land throughout Michigan's Lower Peninsula and northern Indiana
- Field engineer on the Butch's Tackle Soil Removal project in Bellaire, Michigan where secant auger-cast piles were installed to support an existing structure during removal of contaminated soils.

❖ **Career History:** SME since June, 2006 – SME 2004 and 2005 Co-op/Internship

❖ **Education:** B.S., Civil and Environmental Engineering, University of Michigan

❖ **Certifications:** Certified Level I Field Personnel for Unbonded Post-Tensioning – PTI
Structural Masonry Special Inspector, ICC
40-Hour HAZWOPER Course, Metro Occupational Trainers
Fall Protection 1-Hour Training Course, SME
Certified Nuclear Density Meter Operator – Troxler

❖ **Affiliations:** American Society of Civil Engineers
University of Michigan Alumni Association
University of Michigan Club of Grand Rapids

